Infinity Installation/Service and User Manual

Version 4.21 includes Version 5.0 in Appendix

October 2002,

Revised Oct 2006

BERG COMPANY, LLC

FCC Information:

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received including interference that may cause undesired operation.

Note: The user is cautioned that any changes or modifications not expressly approved by the party responsible for FCC compliance could void the user's authority to operate the equipment.

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Revision 4.21
Printed in U.S.A.

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General Safety Precautions

Review the following precautions to avoid injury and to prevent damage to the product.

Precautions

- To reduce the risk of electric shock, use only in a dry indoor location.
- To prevent the risk of electric shock connect the unit to a properly grounded power source using an IEC approved 3-pronged power cord. After installation of this equipment, access to the power cord and the main power source receptacle must not be blocked or restricted.
- To avoid damage to the unit, be sure that the alternating current (AC) power supply in your area is appropriate for this equipment. Power requirements are detailed in the *Infinity Specifications* section of this manual.
- For technical information about this product contact your local Berg dealer or call the Berg Company at (608) 221-4281 between the hours of 8:00 A.M. and 4:30 P.M. C.S.T.

Safety Terms and Symbols

Review the following terms and symbols to avoid injury and to prevent damage to the product.

Terms in This Manual

These terms may appear in this manual:

Warning. Warning statements identify conditions or practices that could result in injury or loss of life.

Caution. Caution statements identify conditions or practices that could result in damage to this product or other property.

Terms on the Product

These terms may appear on the product:

Caution indicates a hazard to property including this product.

Symbols on the Product

The following symbols may appear on the product:

Attention. Consult accompanying documents.

SECTION 1

Getting Started

Welcome to **Infinity**—Berg's total beverage control system. The general guidelines provided in this section can help you take the necessary steps to make each **Infinity** installation run as smoothly as possible.

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Installation Game Plan and Checklist 1-4
Gather Customer Hardware Information 1-6
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Gather ECU Setup Information 1-16
Getting Ready for Infinity Worksheets 1-18
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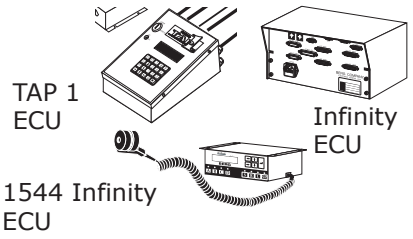
Infinity System Components

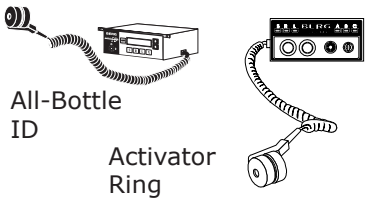
The flexibility of the **Infinity** beverage control system makes it easy to customize according to the needs of each owner. An **Infinity** system is set up using the following components.

ECU (Electronic Control Unit)



A box containing circuit boards that controls the operation of dispensers connected to it. **Infinity** uses various types of ECUs—Infinity, 1544 Infinity, TAP 1 and Laserita. An Infinity ECU controls one All-Bottle dispenser and up to two Laser dispensers. A 1544 Infinity ECU controls 15 price codes of All-Bottle coded pourers. A TAP 1 ECU controls up to eight tap controllers. A Laserita ECU controls one Laser dispenser.

I-Box (All-Bottle)

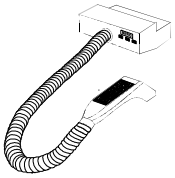


A unit mounted under the bar with an attached circular receiver called an activator ring. The activator ring sits in a holder when not in use and slips over the top of All-Bottle coded pourers for pouring. An I-Box controls 7 price codes of coded pourers. All-Bottle ID controls up to 200 brands on programmed pourers.

All-Bottle Coded Pourers

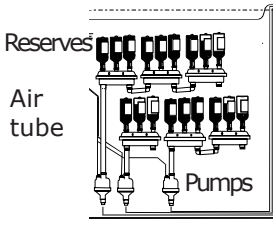
Specially designed pourers inserted and sealed into liquor bottles to provide portion control. Metal coding bands on the pourers electronically identify price and portion information to the ECU. All-Bottle ID pourers are programmed with the brand identification information.

Laser Dispenser



A unit mounted under the bar with an attached Laser gun for portion controlled dispensing from the reserve supply in the liquor room. Laser dispensers come in three sizes for pouring six, twelve or sixteen brands.

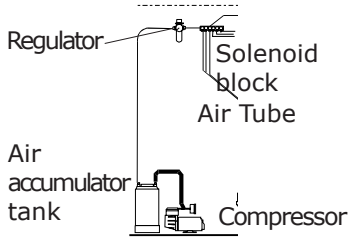
Liquor Room



The storage area set up with a wall- or rack-mounted reserve liquor supply for use with Laser gun dispensers.

Air Delivery System

The compressor, air accumulator tank, air regulator, solenoid block and tubing that provide air pressure for the Laser or TAP 1 dispensers.

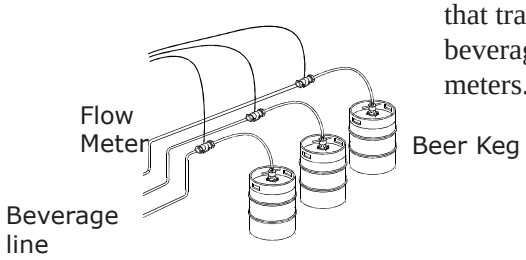


TAP 1 Tap Controller

A simple, six-button tap head controlled by the TAP 1 ECU. (Each TAP 1 ECU controls up to 8 tap controllers.) Beverage is metered by volume or time in eight programmable portion sizes. The tap accommodates a decorative brand handle.

Flow Meter

Pulse output meter installed in beer, wine, soda or juice lines that transmits information to the ECU to calculate the volume of beverage poured. One TAP 1 ECU can monitor up to eight flow meters.

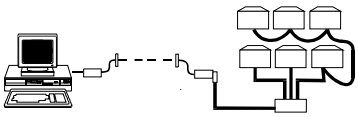


TAP 1 Power Supply

One power supply can power 3 TAP 1 ECUs. It must be located near a properly grounded electrical outlet and must be kept dry.

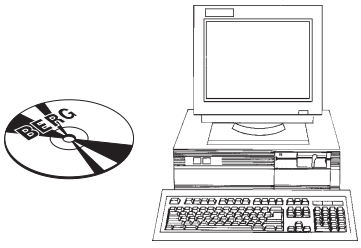
Network

Up to 32 ECUs linked together by a single data-transmission line. Networks can be local (hardwired to a computer) or remote (modem linked to a computer).



Infinity Software

Provides protected access to management data, brand and price assignment, report and scheduling capabilities. Manages all aspects of beverage dispensing.



Installation Game Plan and Checklist

Whether you perform each step or split the tasks with a partner, the following checklist can expedite your installation of **Infinity**. To help you locate information quickly in this manual, installation tasks are listed with the name of the section where how-to information can be found.

Getting Started
Section 1

- ❑ 1. Gather the customer's hardware information.
- ❑ 2. Plan network configurations.
- ❑ 3. Test the customer's computer and prepare the site.
- ❑ 4. Submit the order to Berg, and set an installation date.
- ❑ 5. Assemble required tools and materials.
- ❑ 6. Gather the customer's software setup, equipment setup, and brand and price information.
- ❑ 7. Preconfigure software files with the customer's information.

Hardware Installation
Section 2

- ❑ 8. Set Infinity ECU numbers, baud rates and jumper settings.
- ❑ 9. Install the Infinity, 1544 Infinity and Laserita ECUs.
- ❑ 10. Install the I-Boxes and All-Bottle ID dispensers.
- ❑ 11. Install the All-Bottle coded pourers.
- ❑ 12. Install the Laser system. See the *Laser Installation/Service/User Manual*.
- ❑ 13. Install the TAP 1 system. See the *TAP 1 Installation/Service Manual*.
- ❑ 14. Connect all dispensers to the correct ECUs.
- ❑ 15. Connect all the ECUs that make up each network.
- ❑ 16. Connect each network to the computer.

Software Installation
Section 3

- ❑ 17. Install **Infinity** software on the customer's computer.

Configuration Options
Section 5

- ❑ 18. Enter Configuration options.

Brand Wizard
Section 6

- ❑ 19. Load Berg's brand list.

Network and ECU Setup
Section 7

- ❑ 20. Enter network setup information.

ECU Diagnostics
Section 9

- ❑ 21. Run a communication test for each ECU to verify network communication.

Network and ECU Setup
Section 7

- ❑ 22. Enter ECU setup information.

Station and Group Setup
Section 8

- ❑ 23. Enter station setup information.
- ❑ 24. Enter group setup information.

Brands, Cocktails, Prices and Portions
Section 10

- ❑ 25. Edit the brand list.
- ❑ 26. Set up brand prices and portions.
- ❑ 27. Set up cocktail prices and portions.
- ❑ 28. Assign brands to the correct dispensers.
- ❑ 29. Assign cocktails to the correct Laser dispensers.

Hardware Installation
Section 2

- ❑ 30. Program any All-Bottle ID pourers.

Calibration
Section 12

- ❑ 31. Align All-Bottle activator rings.
- ❑ 32. Store alignment values.
- ❑ 33. Calibrate all dispensers.

Reports
Section 16

- ❑ 34. Set report options.
- ❑ 35. Archive and clear sales (Z) to return sales values at all ECUs to zero. (Or clear and restore memory.)

Schedules
Section 19

- ❑ 36. Create any schedules to automate tasks.

Database Management
Section 20

- ❑ 37. Make a backup copy of the setup data.

Gather Hardware Information

Determining the type, amount and proposed location of all equipment is the first step in an **Infinity** installation.

System Map	Ask or help the customer to sketch a rough map of the proposed system. Use the map to determine the type, amount and location of each piece of hardware.
Infinity ECUs	How many? Where do they go? One Infinity ECU can control one All-Bottle dispenser and one or two Laser dispensers.
All-Bottle Dispensers	How many? Where do the I-Boxes go? One I-Box can control pourers coded 1 through 7. One All-Bottle ID dispenser can control up to 200 pourers.
Coded Pourers	How many of each code? What size inserts? How many?
1544 Infinity ECUs	How many? Where do they go? One 1544 Infinity ECU can control 15 price codes of coded pourers.
Laser System	How many dispensers? Where do they go? What type of reserve system? How big? Where? What type of air delivery system? See the *Laser Installation/Service Manual*.
TAP 1 System	How many ECUs? Where? How many tap controllers? Where? How does air get to the tap controllers? How many flow meters and junction boxes? See the *Tap 1 Installation/Service Manual*.
Network Configurations	How will the ECUs be connected to each other and then to the computer? See *Planning Network Configurations*. How much communication cable do you need? How many communication cable adaptors (Berg PN 8004811) for TAP 1 ECU network connections?

Computer System Requirements

Make sure the customer's computer meets the requirements of **Infinity** software.

Computer

Minimum requirements:

Pentium computer (IBM compatible)
8 MB RAM
18 MB available hard drive space
Standard VGA monitor (640 x 480)
At least one available COM port for each Infinity network

For optimal performance Berg recommends:

Of course, a computer with faster speed and more memory is even better.

At least a Pentium 66 computer (IBM compatible)
16 MB RAM
18 MB available hard drive space
Standard VGA monitor (640 x 480)
At least one available COM port for each Infinity network

Operating System

Windows 98, 2000, ME, XP or NT 4.0

Power Supply

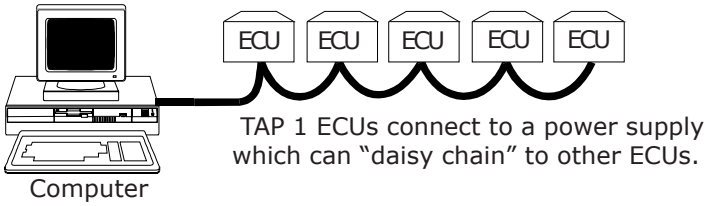
Berg recommends the use of an Uninterruptible Power Supply (UPS) unit for your computer to prevent possible loss or corruption of sales data in the event of a power outage.

Planning Network Configurations

A network is a group of up to 32 ECUs linked together by a single data transmission line that is connected to a computer. The ECUs within a network can be connected by either a “daisy chain” or “hub and spoke” method or some combination of the two. The network can then be connected to a computer by either a local (hardwired) or remote (modem) connection.

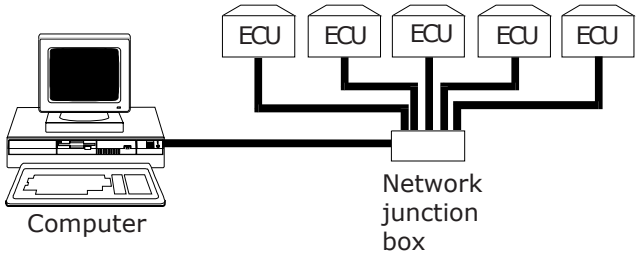
Daisy chain method

Connect individual ECUs to one another, in series, with a single ECU at either end of the line connected to the computer.



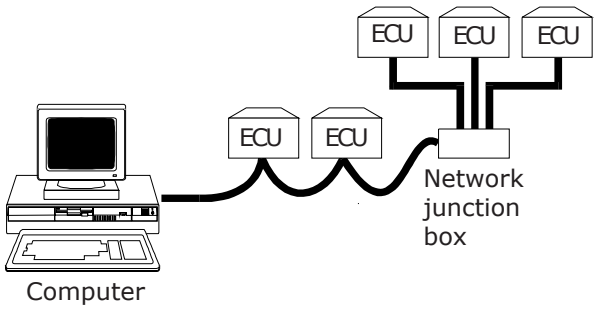
Hub and spoke method

Connect individual ECUs to a single network junction box which is connected to the computer.



Combination method

The “daisy chain” and “hub and spoke” methods may be combined within a single network as long as the overall network is connected to the computer through only a single component.



Network to computer single component

The single component through which all network communication flows to the computer must be one of the following:

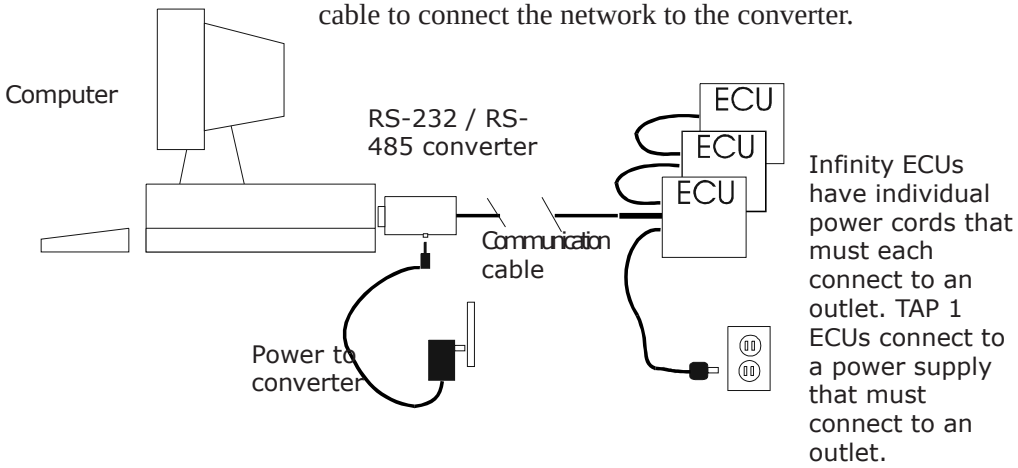
- a single ECU
- a single network power supply (TAP 1 only)
- a single network junction box

Network to computer connections

- The choice between a local or remote connection is unrelated to the method used to connect the ECUs.
- Both local and remote networks work well–the choice depends on the physical circumstances of the site.
- In either case–local or remote–an RS-232 / RS-485 converter must be installed. The converter lets the ECUs (RS-485) communicate with the computer (RS-232). Use a PC converter for a local network or a modem converter for a remote network.

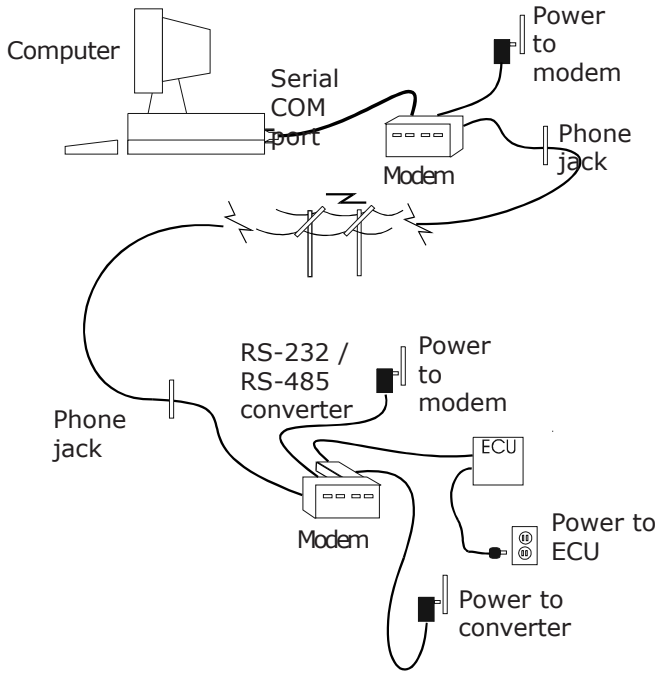
Local (hardwired) Network

An **Infinity** system can transmit data up to 4,000 ft over a local (hardwired) connection. Connect the RS-232 / RS-485 PC converter directly to the computer and use a communication cable to connect the network to the converter.


Computer
RS-232 / RS-485 converter
ECU
ECU
ECU
Communication cable
Power to converter
Infinity ECUs have individual power cords that must each connect to an outlet. TAP 1 ECUs connect to a power supply that must connect to an outlet.

Remote (modem) Network

A remote network requires an open phone line only when data is exchanged. This exchange occurs when setup data is sent to the ECU and when reports are generated. The rest of the time, the ECUs manage barside operations on their own. Connect the RS-232 / RS-485 modem converter to the network modem and use a communication cable to connect the network to the converter.



Site Preparation

With a proposed map of the system, you can make any modifications to the site in preparation for the actual **Infinity** installation.

Mounting Surfaces

Determine the suitability of all equipment mounting surfaces. Check for available space, proximity to bartender and protection from moisture. Modify surfaces as necessary.

Cable and Tubing Paths

Determine the lengths and paths of cable and tubing. All cables must be a safe distance (12 in) from any high-current devices (transformers and dishwashers), any heat sources (water pipes, light bulbs) and any sharp objects. Note any impediment to cable and tubing paths and either relocate the impediment or modify the path.

Power Outlets

Determine the number and location of available dedicated power outlets. Plan the number and location of those that must be installed.

Phone Jacks

If you're installing a remote network, determine the number and location of available phone jacks. Plan the number and location of those that must be installed.

If you're installing modems with a PBX phone system, contact the phone system dealer for modem compatibility information before installation.

Note

- **Operating Environment**
  The components that comprise the **Infinity** system have been designed to perform well in a typical bar, restaurant, or stadium environment. However, as with all electronic equipment, certain guidelines should be followed in locating the components. For the ECU and Power Supply, a protected, dry and clean location is required. The operating temperature range for these components is from 5° C to 40° C (41° F to 104° F).

Tools and Materials Required

Berg offers this list to help you prepare for an **Infinity** installation. See also *Tools and Materials Required* in the *Laser Installation/Service Manual* and *TAP 1 Installation/Service Manual.*

Tools Required

- ☑ Standard size flat-head screwdriver
- ☑ Standard size Phillips screwdriver
- ☑ Small Phillips (#1 pt.) screwdriver
- ☑ Small jeweler's screwdriver
- ☑ Large pair of pliers
- ☑ Small needlenosed pliers
- ☑ Diagonal cutters
- ☑ Nut drivers
- ☑ Drill with small diameter bits
- ☑ Measuring cup or graduated cylinder–in ml or 1/100 oz
- ☑ Loopback tester (Berg PN 8009196)
- ☑ Crimping tool (Berg PN 8008669)–if you didn't order pre-cut and crimped cables
- ☑ Portable computer–helps eliminate legwork

Materials Required

- ☑ PVC pipe
- ☑ Cable ties
- ☑ Electrical tape
- ☑ Tubing markers
- ☑ Wire splices
- ☑ Tubing splices
- ☑ Mounting brackets
- ☑ Shelving
- ☑ Paint
- ☑ Screws–3/8" or 1/2"
- ☑ Paper and pencil
- ☑ Adequate liquor supply (to calibrate and prime lines)
- ☑ Formatted computer disks
- ☑ 9 to 25 pin adapters (Berg PN 8007990)-if necessary
- ☑ 9 to 6 pin adapters (Berg PN 8004811)-if necessary

If you didn't order pre-cut and crimped cables from Berg, you will need:

- ☑ 6-conductor communication cable (Berg PN 8007979)
- ☑ RJ-12 modular plugs (Berg PN 88006987)

Equipment Preparation

Make sure you order early enough so the equipment arrives a few days before you plan to install the system. Open the boxes and check the packing list against the contents of each shipment and against your order. Plug in and test all system components.

Gather Software Configuration Information

Configuration options are entered during software installation and determine how different aspects of **Infinity** work. Record the preferred options on the *Getting Ready for Infinity Worksheet*.

User Registration

Names and Passwords

Infinity offers a password feature to permit access only to registered users with a valid user name and password. To use this feature, list unique user names and passwords (1 to 14 characters each) for everyone you want to have access to the software.

Security Levels

For every registered user, you must list an appropriate level of access. You can define up to 8 security levels with unique names or use the default security levels. See *Security Level List* in the *Configuration Options* section.

Security Level Functions

You can customize which **Infinity** functions are accessed at each security level or use the default functions. See *Security Level Functions* in the *Configuration Options* sections.

Data Storage and Display Options

Archive Records Storage Length

Infinity stores archive sales records in the computer for a specified length of time. Choose from **1 day**, **1 week**, **1**, **3**, **6** or **12 months**, **forever** or **no time at all**. If you plan to print sales reports at certain intervals, save the records at least that long. The software will safely delete the records at the specified length of time. Longer storage lengths require more hard disk space.

Quantity of Stored Data

Choose to store **detailed** or **summary** sales data in archive records at the computer. This choice determines if you can run detailed reports (X3) on archive sales data. Storing detailed data requires more hard disk space. (You can always run detailed reports on current sales data at the ECUs regardless of your choice here.)

Hourly Sales Report Data

The ECUs store hourly sales data for the preceding 48 hours of sales activity. The hourly sales data is separate from the other data stored at the ECU for each drink. You can choose the type of hourly sales data for the ECU to store. Choose from these

combinations: **Charged Drinks/Charged Sales**, **Charged Drinks/Comp Drinks**, **Comp Drinks/Comp Sales**, **Charged + Comp Drinks/Charged Sales**. (See *Glossary of Report Terms* and *Hourly Sales (X4) Report* in the *Sample Reports* section.)

Do you want to **clear** the hourly sales data each time you clear sales at the ECU(s)? (If you select "clear", the 48 hour period of stored hourly sales starts over when you archive and clear sales. If you don't select "clear", the 48 hour period of stored hourly sales is not affected when you archive and clear sales.)

Schedule Log Storage Length

The schedule log is a running history of all events the schedule program attempts. It can grow to be quite large, so you should delete it as often as you plan to review it to save hard disk space. Choose to store the log for **1 day**, **1 week**, **1**, **3**, **6** or **12 months** or **forever**.

Unit of Measure and Cost Format

Record the preferred unit of measure. Choose from **ounces** (oz), **milliliters** (ml), **cubic centimeters** (cc), **centiliters** (cl) or **liters** (L).

Price Format

The format of prices in **Infinity** is the format specified for currency in your Windows operating system.

Gather Equipment Setup Information

The networks and ECUs installed during hardware installation must be defined in **Infinity** software. Equipment setup information is entered in the **Manager** program. Record the preferred options on the *Getting Ready for Infinity Worksheet*.

Network Name

A unique name must be entered at the computer for each network in the system. Determine and record a name for each network.

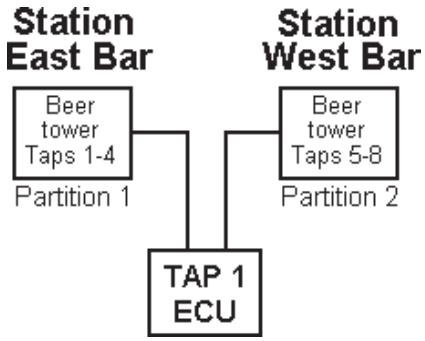
ECU Number

Each ECU in a network must be assigned a unique number from 1 to 32. The network name and ECU number form the "address" of the ECU used by the software. Determine and record unique numbers for each ECU in each network.

ECU Dispenser Assignment

Determine which dispensers are controlled by each ECU. Infinity ECUs can control three dispensers–one or two Lasers and one All-Bottle. List Laser dispensers (6, 12, or 16 brand) as dispenser 1 or 2 and All-Bottle dispensers as dispenser 3 of an Infinity ECU. List up to eight tap controllers for each TAP 1 ECU, or further divide a TAP 1 ECU into partitions.

Partitions (TAP 1 ECUs)



A partition is a logical subset of tap controllers defined by you to provide flexibility in assigning taps to stations. Partitions allow you to address a portion of a TAP 1 ECU much as if it were a separate ECU. A partition can be as small as one tap controller or as large as eight tap controllers. Since many of **Infinity**'s day-to-day operations can only be run on a station or group, you want to set up your stations to provide the most convenient access for management operations. For example, if your bar has two bartender areas, each with an All-Bottle dispenser and a four-faucet beer tower, you only need one TAP 1 ECU, which can be divided into two partitions with 4 taps at each. This way, you can assign some of the taps to one station, and the rest of them to another.

Determine and record any partitions of TAP 1 ECUs and the number of each tap in the partition.

Stations

A station is the smallest part of an **Infinity** system you can define for performing day-to-day operations such as running reports or changing price levels. **Infinity** automatically creates a default station name for each ECU (or partition) you set up. The default is the network name plus the ECU number. You can either accept these default station names for your ECUs, define new station names for the ECUs, or combine multiple ECUs (and/or partitions) into a single station. An ECU or partition can only be in one station.

If you plan to run reports that combine ECUs and partitions in several different ways (e.g., all beer, restaurant area, first floor), you'll want to leave each ECU and partition in its own station and define groups to combine them in several ways.

If you plan to always access a bartender's area together for reports and price level changes, it's more convenient for you to combine the partitions and ECU(s) in the bartender's area into one station.

List a unique name for each station you want to create (if any) and the number of each ECU and partition in the station.

Groups

A group is simply a name you assign to a combination of stations and/or other groups for ease in setup, reporting and scheduling activities. Groups are logical combinations of equipment that help you manage the system (e.g., Beer Group, which includes all beer dispensers). An ECU or partition can only be in one station, but it can be in as many groups as you like.

List the name of each group you want to create and the name of each station and/or group within it.

Stock Rooms

If you're using the Advanced or Enterprise edition of Infinity, you can assign a stock room name to each ECU you set up. This is simply the place from which the ECU is stocked. If you don't use different stock areas for your different ECUs, you can just use the default stock room name.

Gather ECU Setup Information

Determine which of the following options you want at each ECU. Record the preferred options on the *Getting Ready for Infinity Worksheet*.

Infinity ECU Options

Price Level Enable at ECU

Enables price level changes at All-Bottle or Laser dispensers connected to the Infinity ECU.

Size/Bank Reset

Automatically resets dispensers to regular portion size or resets cocktail bank to regular after each pour.

Comp Enable

Enables comp pours at all dispensers connected to the ECU.

Comp Reset

Resets dispensers to regularly priced pours after a comp pour.

Cocktail Enable

Enables cocktail pours (only ECUs with Laser dispensers).

Cocktail Reset

Resets Laser dispensers to regular single-brand pouring mode after a cocktail pour.

Comp Cocktail Enable

Enables complimentary cocktail pours.

Button 16 Enable

Enables the button 16 feature on 16 brand Laser dispensers, reducing the button presses for cocktail pouring. It also reduces by one the number of straight brands the dispenser pours. Enabling this feature does not enable cocktail pouring.

All-Bottle ID options

Show Prices and **Show Portions** enable the display of price and portion information on the All-Bottle-ID dispenser. **Program Mode** must be checked to program pourers.

1544 Infinity ECU Options

Price Level Enable at ECU

Enables price level changes at the 1544 Infinity ECU.

Size Reset

Automatically resets the ECU to regular portion size after each small or large pour.

Comp Enable

Enables complimentary pours at the ECU.

Comp Reset

Resets the ECU to regularly priced pours after a comp pour.

Laserita ECU Options

Price Level Enable at ECU

Enables price level changes at Laser dispensers connected to the Laserita ECU.

Size/Bank Reset

Automatically resets dispensers to regular portion size or bank after each small or large pour.

Comp Enable

Enables comp pours at all dispensers connected to the ECU.

Comp Reset

Resets dispensers to regularly priced pours after a comp pour.

Brand Enable

Enables brand pours.

Brand Reset

Resets Laser dispensers to regular cocktail pouring mode after a brand pour.

Comp Brand Enable

Enables complimentary brand pours.

TAP 1 ECU Options

Price Level Enable at ECU

Enables price level changes at the taps connected to the TAP 1 ECU.

Comp Enable

Enables complimentary pours.

Comp Reset

Automatically resets taps to regular pouring mode after a comp pour.

(continued on next page)

Alternate Size or Repeat Enable

Enables the repeat drink or alternate size feature. If you enable one, the other is automatically disabled because they use the same button on the tap controller. You can choose to disable both.

Repeat Delay

The number of seconds (1.0 to 9.9) the dispenser delays between repeat drinks (if you enable the repeat feature).

Alt Size Reset

Automatically resets to standard portion sizes after an alternate size pour (if you enable the alternate size feature).

Charge Cancels

Records any canceled pours as full-volume, full-price pours. This feature is useful if a manager wants servers held accountable for all pours. (Only available with EPROMS 3.00 and above.)

Manual Enable

Enables manual pours from the tap controllers. Enabling this feature does not automatically suspend portion control pouring. It simply makes it possible to pour manually.

Dispensing

Identify which tap controllers use flow meters, monitor mode and timer mode for portion control.

End of Keg

For tap controllers that have flow meters, choose how to handle pours when a flow meter detects an empty keg. Choose immediate pause of the pour, pause after the pour is complete or no indication. See the *TAP 1 Installation/Service Manual* for limitations of this feature.

Brightness

The brightness level for the backlit keypad on each tap controller. Choose a level from 0 to 7, with 7 as the brightest.

Add a Head Limit

The maximum number (0-10) of consecutive add a head pours allowed. (Add a head is a zero priced size typically set at a small portion.) Only available with EPROMS 3.00 and above.

Getting Ready For Infinity Worksheet

Software Configuration Information

User Registration

Enable Passwords: ❑Yes ❑No

User Name	Password	Security Level

Data Storage and Display Options

Archive Records Storage Length: ❑1 Day ❑1 Week ❑1 Month ❑3 Months ❑6 Months ❑Forever ❑NoTime At All

Quantity of Stored Data: ❑Detailed ❑Summary

Hourly Sales Report Data: ❑Pours/Sales ❑Pours/Comp Pours ❑Comp Pours/Comp Sales ❑Total Pours/Sales

Clear hourly sales when clear ECU sales: ❑Yes ❑No

Schedule Log Storage Length: ❑1 Day ❑1 Week ❑1 Month ❑3 Months ❑6 Months ❑Forever

Unit of Measure and Cost Format

Unit of Measure: ❑ounces (oz) ❑ milliliters (ml) ❑cubic centimeters (cc) ❑centiliters (cl) ❑liters (l)

Cost Format: ❑00000 ❑0000.0 ❑000.00 ❑00.000 ❑0.0000

Getting Ready For Infinity Worksheet (cont.)

Infinity ECU Setup Information

Network Name: _____ ECU Number (1-32): ____

Dispenser 1: ❑Laser 6 ❑Laser 12 ❑Laser 16 ❑None

Dispenser 2: ❑Laser 6 ❑Laser 12 ❑Laser 16 ❑None

Dispenser 3: ❑All-Bottle-7 ❑All-Bottle ID ❑None

Station: ❑Default name (Network+ECU number)
❑Rename: _____
❑Combine with other ECU(s) into new station: _____

Stock Room: ❑Default name
❑New Stock Room: _____

❑Comp Enable ❑Comp Cocktail Enable ❑Price Level Enable

❑Cocktail Enable ❑Button 16 Enable ❑Size/Bank Reset

❑Comp Reset ❑Cocktail Reset

All-Bottle ID: ❑Show Prices ❑Show Portions ❑Program Mode Enable

Getting Ready For Infinity Worksheet (cont.)

TAP 1 ECU Setup Information

Network Name: _____ ECU Number (1-32): ____ Number of Partitions (1-8): ____

❑Set All Partitions the Same

❑Dispenser 1: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

❑Dispenser 2: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

❑Dispenser 3: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

❑Dispenser 4: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

❑Dispenser 5: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

❑Dispenser 6: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

❑Dispenser 7: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

❑Dispenser 8: Partition:____ End of Keg: ❑Immediate ❑After Pour❑No Notify
Dispensing: ❑Flow Meter ❑Monitor ❑Timer Mode Brightness: ____ (0-7)

Partition Setup Information

Repeat Button: ❑Repeat Enabled ❑Alternate Size Enabled ❑Disabled

Repeat Delay: ____ (sec.) Add a Head Limit: ____

Cancel Mode: ❑Enabled ❑Charge Cancels

❑Comp Enable
❑Price Level Enable ❑Alt Size Reset
❑Manual Enable ❑Comp Reset

Station:

❑Default name (Network+ECU no.+Ptn. no.)
❑Rename: _____
❑Combine with other ECU(s) into new station:_____

Stock Room: ❑Default name

❑New Stock Room: _____

Getting Ready For Infinity Worksheet (cont.)

1544 Infinity ECU Setup Information

Network Name: _____ ECU Number (1-32): ____

Dispenser 1: All-Bottle 1544

Station: ❑Default name (Network+ECU number)
❑Rename: _____
❑Combine with other ECU(s) into new station: _____

Stock Room: ❑Default name
❑New Stock Room: _____

❑Price Level Enable ❑Comp Enable
❑Size Reset ❑Comp Reset

Laserita ECU Setup Information

Network Name: _____ ECU Number (1-32): ____

Dispenser 1: ❑Laserita-6 ❑Laserita-12 ❑Laserita-16

Station: ❑Default name (Network+ECU number)
❑Rename: _____
❑Combine with other ECU(s) into new station: _____

Stock Room: ❑Default name
❑New Stock Room: _____

❑Comp Enable ❑Comp Brand Enable ❑Price Level Enable

❑Brand Enable ❑Size/Bank Reset

❑Comp Reset ❑Brand Reset

Getting Ready For Infinity Worksheet (cont.)

Liquor, Wine or Mixer Prices and Portions

Brand Name: _____ Price/Portion Category: ❑Standard ❑_____

Product Type: ❑Liquor ❑Wine ❑Mixer ❑Other

Price Level A

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

Price Level B

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

Price Level C

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

Price Level D

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

❑Use as default prices and portions for this product type

Brand Name: _____ Price/Portion Category: ❑Standard ❑_____

Product Type: ❑Liquor ❑Wine ❑Mixer ❑Other

Price Level A

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

Price Level B

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

Price Level C

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

Price Level D

Size	Portion	Price	PLU
1(S)			
2(R)			
3(L)			
4(SP or X)			

❑Use as default prices and portions for this product type

Getting Ready For Infinity Worksheet (cont.)

TAP 1 Prices and Portions

Brand Name: _____ Price/Portion Category: ❑Standard ❑_____

Product Type: ❑Beer ❑Wine ❑Mixer ❑Other

Price Level A

Size	Portion	Price	PLU
1			
2			
3			
4			
(Alternate Sizes)			
5			
6			
7			
8			

Price Level B

Size	Portion	Price	PLU
1			
2			
3			
4			
(Alternate Sizes)			
5			
6			
7			
8			

Price Level C

Size	Portion	Price	PLU
1			
2			
3			
4			
(Alternate Sizes)			
5			
6			
7			
8			

❑Use as default prices and portions for this product type

Brand Name: _____ Price/Portion Category: ❑Standard ❑_____

Product Type: ❑Beer ❑Wine ❑Mixer ❑Other

Price Level A

Size	Portion	Price	PLU
1			
2			
3			
4			
(Alternate Sizes)			
5			
6			
7			
8			

Price Level B

Size	Portion	Price	PLU
1			
2			
3			
4			
(Alternate Sizes)			
5			
6			
7			
8			

Price Level C

Size	Portion	Price	PLU
1			
2			
3			
4			
(Alternate Sizes)			
5			
6			
7			
8			

❑Use as default prices and portions for this product type

Getting Ready For Infinity Worksheet (cont.)

Cocktail Prices and Portions

Cocktail Name: _____

Price/Portion Category: ❑Standard
❑_____

Product Type: ☑Cocktail

Price Level A

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

Price Level B

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

Price Level C

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

Price Level D

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

Cocktail Name: _____

Price/Portion Category: ❑Standard
❑_____

Product Type: ☑Cocktail

Price Level A

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

Price Level B

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

Price Level C

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

Price Level D

	Ingredient	Portion	Price	PLU
1				
2				
3				
4				
5				
Cocktail				

*Note that Laserita only supports 4 ingredients.

Getting Ready For Infinity Worksheet (cont.)

Laser Brand Assignments

Laser 6

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Laser 12

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Getting Ready For Infinity Worksheet (cont.)

Laser Brand Assignments

Laser 16

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Network Name: _____
ECU Number: ____
Dispenser: ❑1 ❑2

Button	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____

Getting Ready For Infinity Worksheet (cont.)

Laser Cocktail Assignments

Laser 6

Network Name: _____ ECU Number: ____ Dispenser: ❑1 ❑2

Lower Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	

Regular Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	

Upper Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	

Laser 12

Network Name: _____ ECU Number: ____ Dispenser: ❑1 ❑2

Lower Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

Regular Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

Upper Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

Getting Ready For Infinity Worksheet (cont.)

Laser Cocktail Assignments

Laser 16

Network Name: _____ ECU Number: ____ Dispenser: ❑1 ❑2

Lower Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

Regular Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

Upper Bank

Button	Cocktail Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

Getting Ready For Infinity Worksheet (cont.)

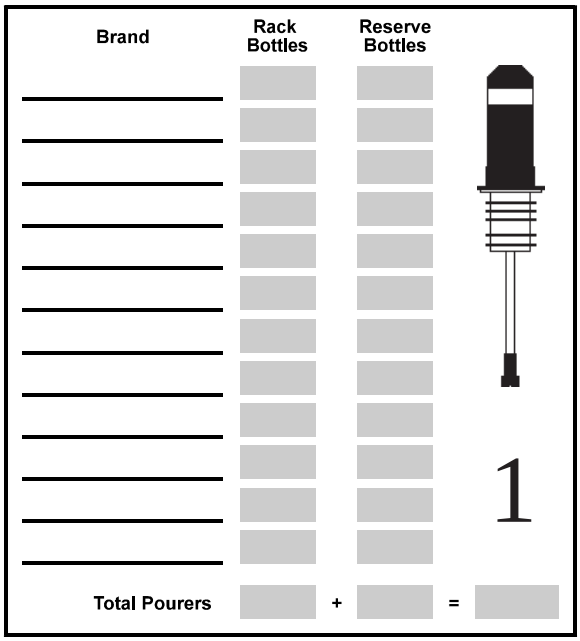
All-Bottle 7 and 15 Brand Assignments

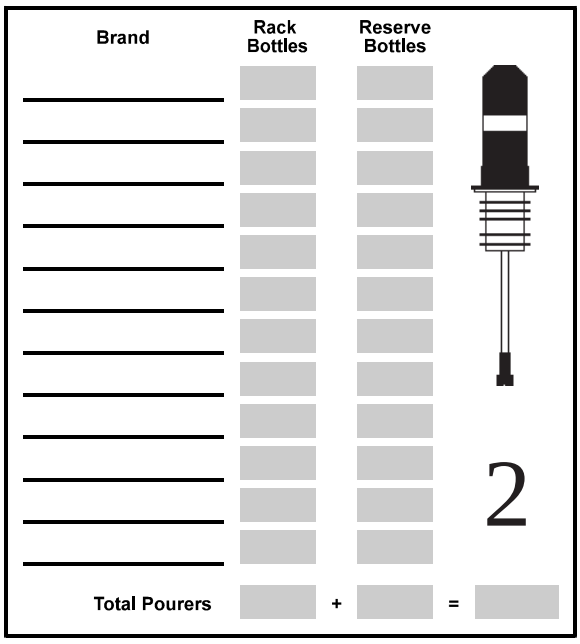
Network Name: _____

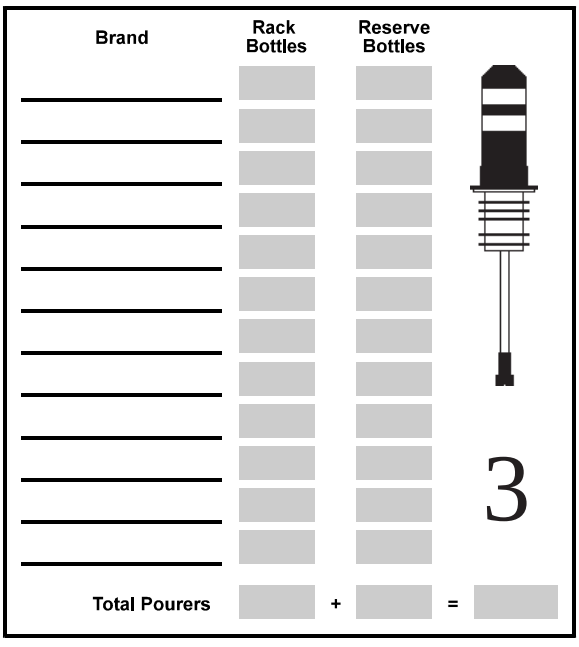
ECU Number: ____

Code	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	

❑Copy assignment
❑Dispenser:_____
❑Station/group:_____



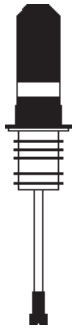




Getting Ready For Infinity Worksheet (cont.)

All-Bottle 7 and 15 Brand Assignments

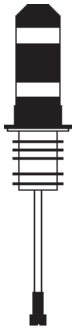
Brand	Rack Bottles	Reserve Bottles



4

Total Pourers ____ + ____ = ____

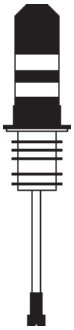
Brand	Rack Bottles	Reserve Bottles



5

Total Pourers ____ + ____ = ____

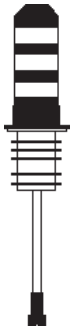
Brand	Rack Bottles	Reserve Bottles



6

Total Pourers ____ + ____ = ____

Brand	Rack Bottles	Reserve Bottles



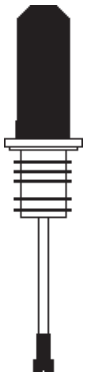
7

Total Pourers ____ + ____ = ____

Getting Ready For Infinity Worksheet (cont.)

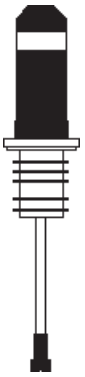
All-Bottle 7 and 15 Brand Assignments

Brand	Rack Bottles	Reserve Bottles
Total Pourers		+ =



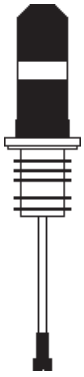
8

Brand	Rack Bottles	Reserve Bottles
Total Pourers		+ =



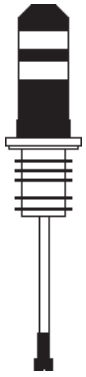
9

Brand	Rack Bottles	Reserve Bottles
Total Pourers		+ =



10

Brand	Rack Bottles	Reserve Bottles
Total Pourers		+ =

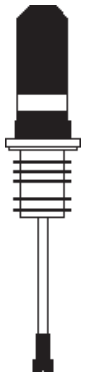


11

Getting Ready For Infinity Worksheet (cont.)

All-Bottle 7 and 15 Brand Assignments

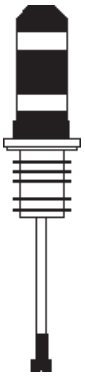
Brand	Rack Bottles	Reserve Bottles



12

Total Pourers + =

Brand	Rack Bottles	Reserve Bottles



13

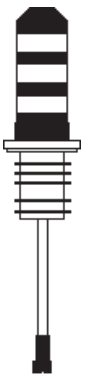
Total Pourers + =

Brand	Rack Bottles	Reserve Bottles

14

Total Pourers + =

Brand	Rack Bottles	Reserve Bottles



15

Total Pourers + =

Getting Ready For Infinity Worksheet (cont.)

All-Bottle ID Brand Assignments

Code	Brand Prices and Portions

Code	Brand Prices and Portions

Getting Ready For Infinity
Worksheet (cont.)

TAP 1 Brand Assignments

Network Name: _____ ECU Number: ____

❑Copy tap #___ assignment to: ❑Tap:_____ ❑Station/group:_____

❑Copy partition # ___ assignment to station/group:_____

Tap	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	

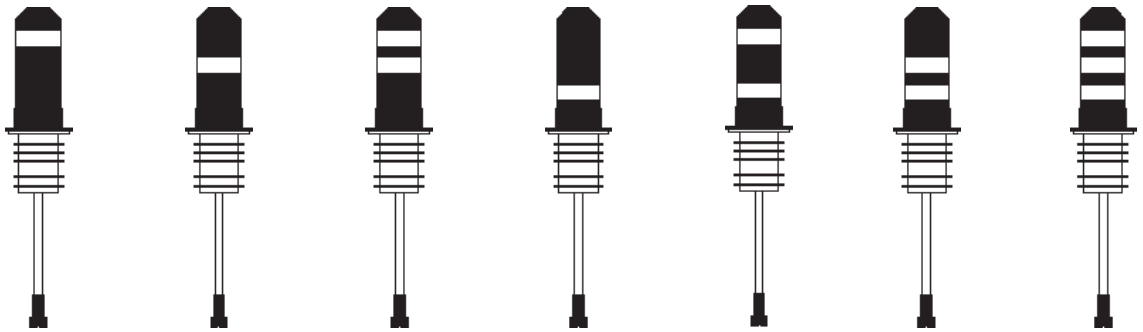
Network Name: _____ ECU Number: ____

❑Copy tap #___ assignment to: ❑Tap:_____ ❑Station/group:_____

❑Copy partition # ___ assignment to station/group:_____

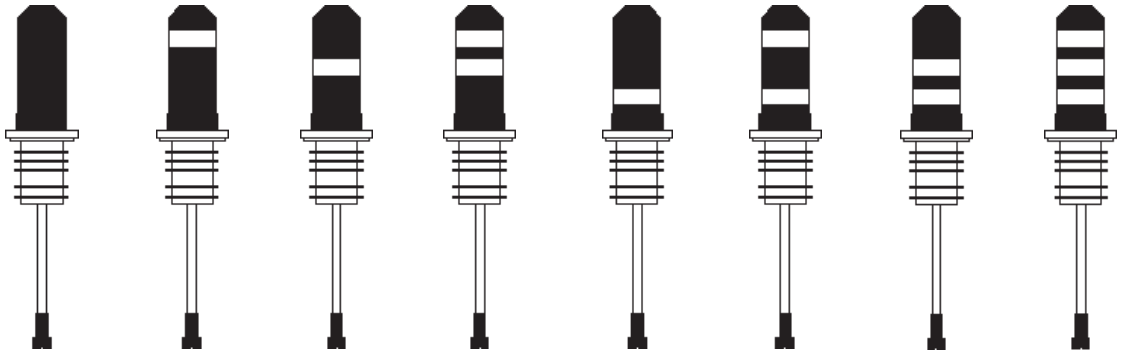
Tap	Brand Prices and Portions
1	
2	
3	
4	
5	
6	
7	
8	

All-Bottle Reference Chart



1	2	3	4	5	6	7

All-Bottle Reference Chart



8	9	10	11	12	13	14	15

Preconfigure Software Files

This is an optional task you can perform if you want to save installation time on-site. You can gather all the setup information and create database files for the customer in your office ahead of time. You can choose to do an "operational pre-configuration" using some of the system's hardware or a "database pre-configuration" without hooking up hardware.

■ To perform a database pre-configuration:

1. Create a new directory or folder on your computer with a unique name.
2. Install **Infinity** software in the new directory using the customer's set of disks to establish the correct serial number. See the *Software Installation* section.
3. Install your DEMO version of **Infinity** into the new directory. Choose **Update** with no other options, so the customer's serial number remains intact.
4. Use the *Software Configuration Information* on the *Getting Ready for Infinity Worksheet* to enter the configuration options as prompted. See the *Configuration Options* section.
5. Use the *Getting Ready for Infinity Worksheet* to enter equipment setup, ECU setup and product setup data. Enter the data using **Demo Manager** instead of **Manager** since you're not connecting to live equipment. See the *Network and ECU Setup, Station and Group Setup,* and *Brands, Cocktails, Prices and Portions* sections.
6. When you've completed pre-configuration, save the database files to a disk. See *Store Configuration Settings* in the *Database Management* section.
7. On the day of installation on-site:

   Install the customer's copy of **Infinity** on the customer's computer. See the *Software Installation* section.

   Copy the pre-configured database from the disk to the customer's computer. See *Reload Configuration Settings* in the *Database Management* section.

   Perform a Clear and Restore Memory for all ECUs. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

Change Serial Number

An alternative to using the customer's disks is to create different databases for customers on your computer using your copy of **Infinity**. Then use the Change Serial Number feature (on the **Store Configuration Settings** screen) to imprint the customer's serial number on the correct stored database. If you use this approach, take care to keep track of which database belongs to each customer.

If the correct serial number has not been established by either installing the customer's disks or by changing the serial number when storing configuration settings, **Infinity** software will not run at the customer site.

To perform an operational pre-configuration:

1. Assemble the actual hardware to be used with the system. (Laser and TAP 1 systems cannot be calibrated off-site, so it may not be worth the effort to hook them up.)

2. Connect and configure the system as you would on-site. See the *Hardware Installation* section.

   Note that ECUs must be set up with the correct baud rate and ECU number. You can set up a local network even if you'll be installing a remote network on-site.

3. Create a new directory or folder on your computer with a unique name.

4. Install the **Infinity** software in the new directory using the customer's set of disks. It's important to use the customer's disks to establish the correct serial number. See the *Software Installation* section.

5. Use the *Software Configuration Information* on the *Getting Ready for Infinity Worksheet* to enter the configuration options as prompted. See the *Configuration Options* section.

6. Use the *Getting Ready for Infinity Worksheet* to enter equipment setup, ECU setup and product setup data. See the *Network and ECU Setup, Station and Group Setup,* and *Brands, Cocktails, Prices and Portions* sections.

7. Align All-Bottle activator rings and calibrate coded pourers. See the *Calibration* section. Do not calibrate Laser or TAP 1 dispensers at this time. They must be calibrated on-site.

   Note that activator rings should be realigned on-site, after the dispensers are installed.

8. When you've completed pre-configuration, save the database files to a disk. See *Store Configuration Settings* in the *Database Management* section.

9. On the day of installation on-site:

   Install the customer's copy of **Infinity** on the customer's computer. See the *Software Installation* section.

   Copy the pre-configured database from the disk to the customer's computer. See *Reload Configuration settings* in the *Database Management* section.

   Perform a Clear and Restore Memory for all ECUs. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

Change Serial Number

An alternative to using the customer's disks is to create different databases for customers on your computer using your copy of **Infinity**. Then use the Change Serial Number feature (on the **Store Configuration Settings** screen) to imprint the customer's serial number on the correct stored database. If you use this approach, take care to keep track of which database belongs to each customer.

If the correct serial number has not been established by either installing the customer's disks or by changing the serial number when storing configuration settings, **Infinity** software will not run at the customer site.

SECTION 2

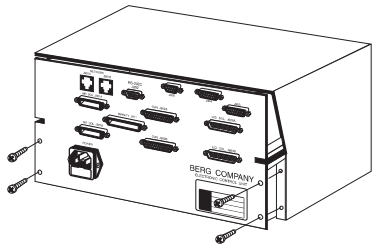
Hardware Installation

Refer to this section for help with the following tasks:

Set Infinity ECU Number and Baud Rate 2-2
Install the Infinity ECU 2-4
Install the I-Boxes 2-6
Install the All-Bottle Coded Pourers 2-7
Install an All-Bottle ID Dispenser 2-8
Program All-Bottle ID Pourers 2-10
Install the 1544 Infinity ECU 2-12
About Installing the Laserita ECU 2-13
About Installing a 1544 System with Infinity 2-14
About Installing a Laser System with Infinity 2-15
About Installing a TAP 1 System with Infinity 2-16
Connect Dispensers to the Infinity ECU 2-18
Verify Air Solenoid Operation and Connect to ECU 2-20
Accuracy Utility 2-22
Connect ECUs in a Network 2-24
Connect a Local Network 2-26
Connect a Remote Network 2-28
Set Laser Driver Board Jumpers 2-30
Crimp Plugs to Communication Cables 2-32

Set Infinity ECU Number and Baud Rate

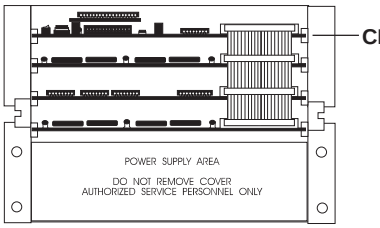
Each ECU in a network must be assigned a unique number to communicate properly with **Infinity** software. The correct baud rate must also be set at the ECU for network communication to take place.



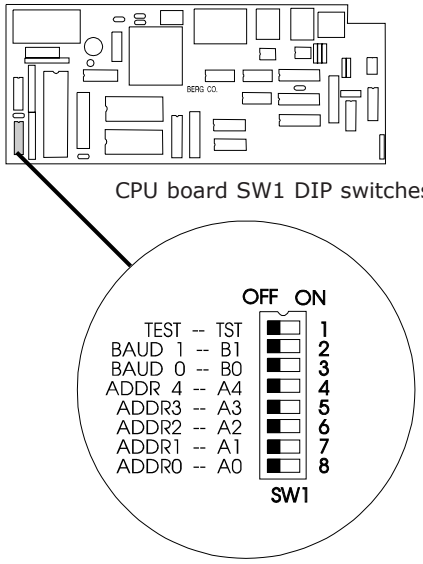
Infinity ECU cover removal

■ To set the number in an Infinity ECU:

1. Disconnect the ECU from any power source.
2. Remove the ECU chassis cover by loosening 4 machine screws. Slide the chassis out from under the cover.
3. Locate the CPU board within the ECU chassis. You'll be looking directly down on it from the top of the ECU. You don't need to remove the CPU board from the chassis.
4. Locate the SW1 DIP switches on the CPU board.
5. Use a small screwdriver to set SW1 switches 4 through 8 to the on/off positions that correspond to the correct ECU number. Refer to the *ECU Number Table.*



ECU board positions (view from back of ECU)



Switch 1

Switch 1 should always be in the off position.

■ To set the baud rate in an Infinity ECU:

1. Perform steps 1-3 above if you haven't already done so.
2. Use a small screwdriver to set SW1 switches 2 and 3 to the on/off positions that correspond to the correct baud rate. Refer to the *Baud Rate Table.*

   Set the baud rate to 9600 if the ECU will be connected to a local network. Set the baud rate to match the baud rate of the modem if the ECU will be connected to a remote network.

ECU Number Table

ECU Number	Switch Setting				
	4	5	6	7	8
1	off	off	off	off	off
2	off	off	off	off	on
3	off	off	off	on	off
4	off	off	off	on	on
5	off	off	on	off	off
6	off	off	on	off	on
7	off	off	on	on	off
8	off	off	on	on	on
9	off	on	off	off	off
10	off	on	off	off	on
11	off	on	off	on	off
12	off	on	off	on	on
13	off	on	on	off	off
14	off	on	on	off	on
15	off	on	on	on	off
16	off	on	on	on	on
17	on	off	off	off	off
18	on	off	off	off	on
19	on	off	off	on	off
20	on	off	off	on	on
21	on	off	on	off	off
22	on	off	on	off	on
23	on	off	on	on	off
24	on	off	on	on	on
25	on	on	off	off	off
26	on	on	off	off	on
27	on	on	off	on	off
28	on	on	off	on	on
29	on	on	on	off	off
30	on	on	on	off	on
31	on	on	on	on	off
32	on	on	on	on	on

Baud Rate Table

Baud Rate	Switch Setting	
	2	3
1200	off	off
2400	off	on
9600	on	off

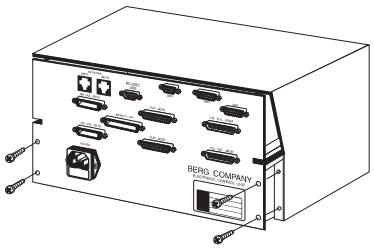
Notes

❑ Do not set switches 1, 2, and 3 all to the "on" position. If you do, when you turn on the power, the ECU automatically clears memory.

❑ No two ECUs on the same network can have the same number.

Install the Infinity ECU

It is very important that the ECU be located in a secure, dry place to protect it from spills, moisture, vibration and physical shock. It must also be within 6 ft (1.8 m) of a properly grounded AC outlet. Avoid locations near dishwashers and other sources of steam and high humidity that could produce condensation on and in the ECU. If such a location is unavailable or impractical, you need to use the drip-proof ECU housing.



Infinity ECU cover removal

Laser Board Jumpers

You may want to set or verify the Laser driver board jumper settings before installing the ECU. See *Set Laser Driver Board Jumpers* in this section.

■ To install the ECU:

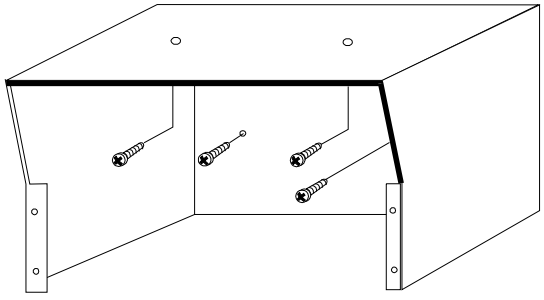
1. Remove the ECU chassis cover by loosening four machine screws. Slide the chassis out from under the cover.
2. Mount the ECU cover (not the chassis) using four wood screws to secure the back or top of the cover to an appropriate mounting surface. Select a location within 6 ft (1.8 m) of a properly grounded 110 VAC (or 220 VAC) electrical outlet.

   Since the ECU is sensitive to erratic power that often comes from a circuit shared by other electrical devices, Berg recommends each ECU have its own dedicated circuit and/or a line filter.
3. Slide the ECU chassis back into the mounted cover, and secure it with the four machine screws.

Caution:

Since the ECU has no on/off switch, the electrical outlet must be easily accessible.

The space for installing the Infinity ECU must be:
7 in (17.8 cm)H
11 in (27.9 cm)W
9 in (22.9 cm)D
(includes cable space)

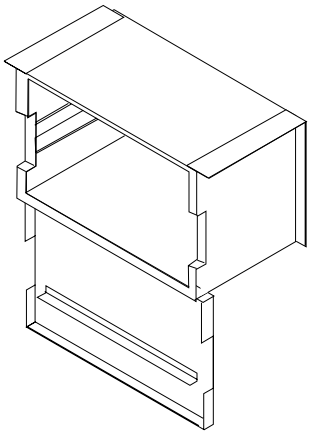


Standard ECU cover

To install the optional drip-proof ECU housing:

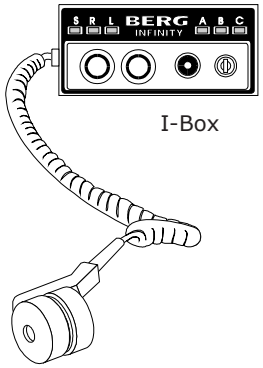
1. Mount the drip-proof ECU housing using four wood screws to secure the back or top of the housing to an appropriate mounting surface.
2. Slide the ECU chassis into the mounted housing and close the housing lid.

Drip-proof ECU housing



Install the I-Boxes

I-Boxes are typically mounted under the bar or some other horizontal surface. They should be mounted near an ice bin and allow easy access for a bartender. Keep dispensers well away from sinks, dishwashers and any other sources of water or steam. Consider individual preferences at each location. For example, right-handed bartenders may prefer the I-Box mounted to the right of an ice bin.



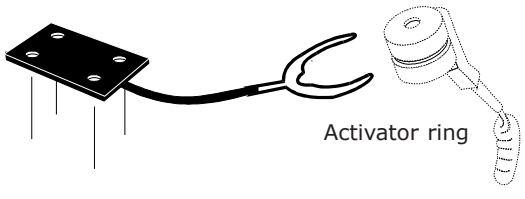
I-Box

To install an I-Box:

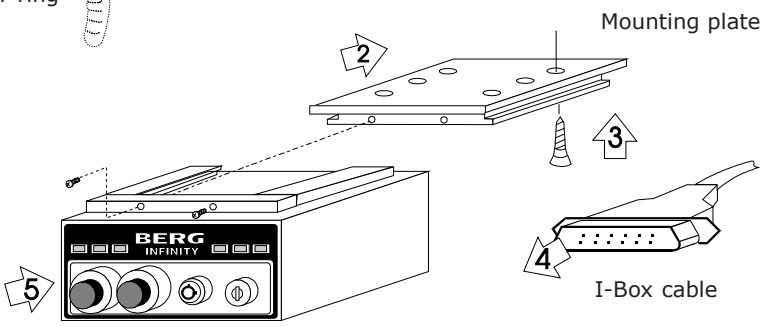
1. Mount the activator ring holder to a secure surface left of the I-Box location using four wood screws. It should be within the bartender's convenient reach.
2. Remove the mounting plate from the top of the I-Box by loosening the two screws above the front panel. Slide the mounting plate to the rear.
3. Attach the mounting plate with the drip guard toward the mounting surface. Use four wood screws through any two pairs of holes in the mounting plate.
4. Plug the I-Box cable into the rear panel port. Secure it with the captive screws in the flanges of the cable connector.
5. Slide the I-Box into the mounting plate and secure it with the two screws you removed.

Note

- The I-Box cable (connecting the I-Box to the Infinity ECU) can be ordered in the following lengths:
  - 15 ft (4.6 m) standard cable
  - 25 ft (7.6 m) optional cable
  - up to 150 ft (45.7 m) custom cable


Activator ring

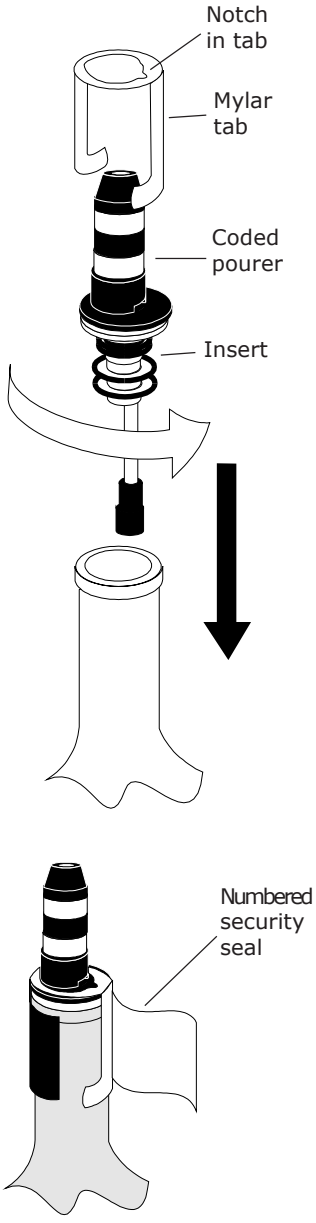
Activator ring holder



Mounting the I-Box

Install the All-Bottle Coded Pourers

To insure a perfect fit in each liquor bottle, Berg offers inserts (the part of the coded pourer that fits in the bottle) in four sizes. To complete an **Infinity** installation, be sure to have an ample supply of varying sizes of inserts, an appropriate number of each of the coded pourers and a box of security seals.



■ To install the All-Bottle coded pourers:

1. Select the appropriately coded pourer for the liquor bottle and attach the right size insert. Remove a numbered seal and mylar tab from the box of security seals.
2. Firmly insert the pourer into the bottle.
3. Slide the opening in the mylar tab over the top of the pourer with the adhesive side down. Align the notch in the mylar tab with the notch in the pourer. Pull both tab ends down tight onto the neck of the bottle.
4. Wrap a numbered seal around the neck of the bottle and the mylar tab ends. Make sure you can still read the number on the seal. The lower edge of the seal should be even with the lower edge of the mylar tab ends.
5. Repeat steps 1-4 for each liquor bottle.

■ To change an insert on the All-Bottle coded pourers:

1. Remove the current insert by pulling and twisting it from the coded pourer.
2. Select a new size insert. Choose from an undersize insert (Berg PN 9007281), a standard size insert (Berg PN 9007122), an oversize insert (Berg PN 9007282) or an extra large insert (Berg PN 9008799).
3. Push the new insert onto the coded pourer.

Install the All-Bottle ID Dispenser

The All-Bottle ID dispenser is designed for easy installation under the bar. It should be mounted 1/4 inch to 3/4 inch (.6 cm to 1.6 cm) back from the front edge of the bar to help protect it from liquid damage. It should be mounted near an ice bin and allow easy access for a bartender. Install the dispenser as far away from sinks, dishwashers and other sources of water or steam as is practical.

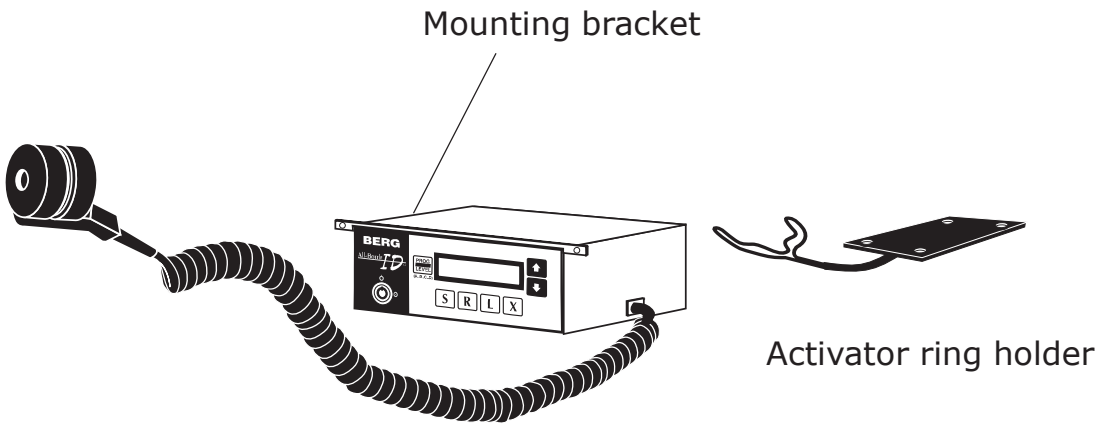
■ To install the All-Bottle ID dispenser:

1. Select a location within 14 feet (4.3 meters) of an Infinity ECU.
2. Install the dispenser mounting bracket securely under the bar using the four wood screws provided.
3. Attach the ECU cable to the **ECU** RJ-45 port on the back of the dispenser before mounting the dispenser to insure ease of access.
4. Secure the dispenser to the mounting bracket with the two machine screws provided.
5. Mount the activator ring holder to the right of the dispenser using 4 wood screws. Mount the holder to a secure surface where it will be within the bartender's convenient reach.

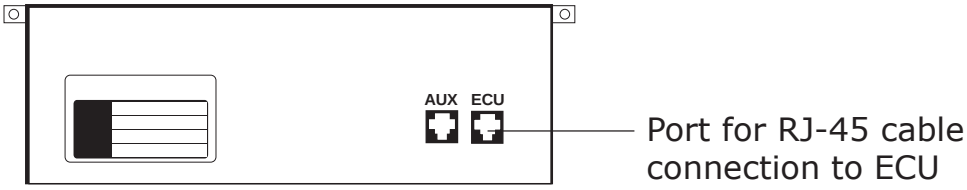
Note

❑ The cable connecting the All-Bottle ID dispenser to the Infinity ECU can be ordered in the following lengths:

14 ft (4.3 m) standard cable (Berg PN 8009526)
25 ft (7.6 m) optional cable (Berg PN 8009527)
up to 150 ft (45.7 m) custom cable



All-Bottle ID dispenser



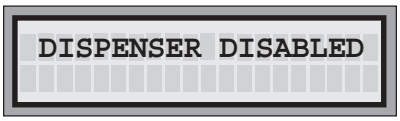
All-Bottle ID dispenser back panel

Program All-Bottle ID Pourers

Each All-Bottle ID pourer must be programmed with a brand's prices and portions.

To program an All-Bottle ID pourer:

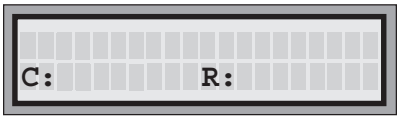
1. Enable **Program Mode** for the ECU. See *Enter Infinity ECU Options* in the *Network and ECU Setup* section.
2. Assign brands to the All-Bottle ID dispenser(s). See *Assign Brands to Dispensers* in the *Brands, Cocktails, Prices and Portions* section.



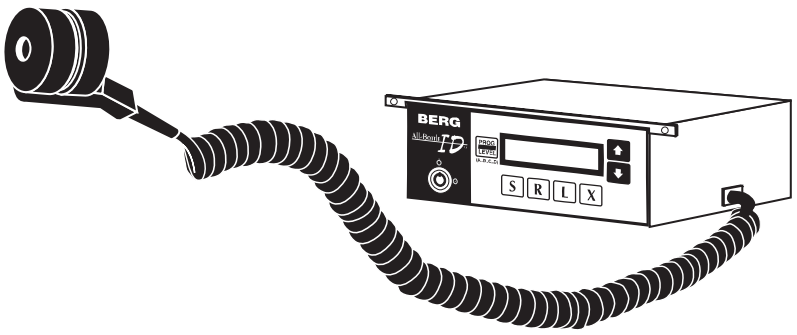
3. At the All-Bottle ID dispenser, turn the On/Off key counter-clockwise until it's in the vertical position.
   The display reads "DISPENSER DISABLED".

4. Hold down the Price Level button while turning the ON/Off switch clockwise (back to the horizontal position).
   The ECU sorts the assigned brands in alphabetical order.
   The first brand in the list appears when the sort is complete.

5. Select a brand you want to assign to a pourer. Scroll through the alphabetical list using the up and down arrow buttons. Use the portion size buttons to quickly jump down the list. S takes you to the top of the list, R takes you 1/4 down, L takes you to the middle and X takes you 3/4 down the list.
6. With the selected brand displayed on the LCD, insert a pourer into the activator ring and press the Price Level button.
   The bottom line of the LCD display blinks off and then on to indicate the pourer is programmed.
7. Repeat steps 5 and 6 for each pourer you need to program.



8. Disable programming mode by turning the On/Off key counter-clockwise to the vertical position and then back to the horizontal (On) position.



Notes

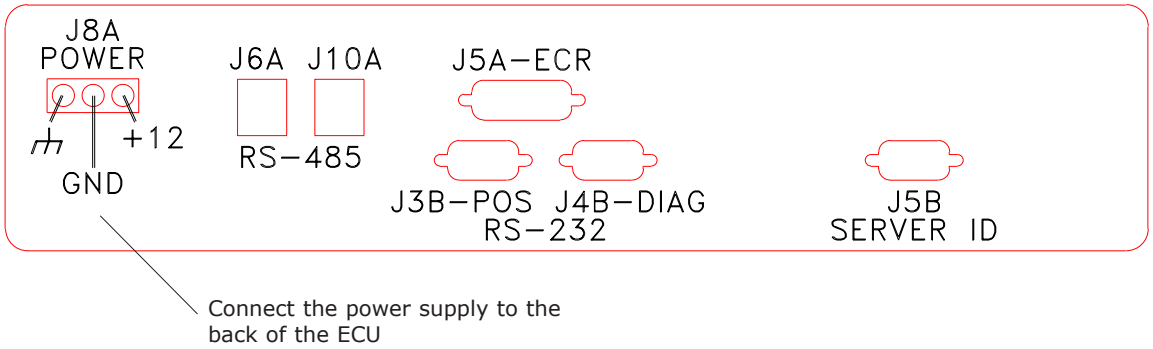
- You can re-program any pourer to a different brand by repeating the programming steps for the new brand.
- If you don't know the brand assigned to a pourer, you can slip the pourer in the activator ring (with the dispenser in pouring mode) and the brand name displays on the LCD panel.

Install the 1544 Infinity ECU

The 1544 Infinity ECU is designed for easy installation under the bar top at the bartender's work station. It should be mounted 1/4 inch to 3/4 inch (.6 cm to 1.6 cm) back from the front edge of the bar to help protect it from liquid damage. Install the ECU and power supply as far away from sinks, dishwashers and other sources of water or steam as is practical.

To install the ECU:

1. Attach the cable that connects the power supply (AC adaptor) to the ECU. Use the 3-pin J8A port on the back of the ECU. Tighten the connecting screws.
2. Mount the power supply in a secure, dry location with the 2 wood screws provided. Select a location within 3 feet (.9 meters) of the ECU and within 5 1/2 feet (1.7 meters) of a properly grounded 110 VAC (or 220 VAC) electrical outlet.
3. Attach any cables to the back of the ECU before mounting the ECU to insure ease of access. See the appropriate tasks in this section.
4. Secure the activator ring cable to either the right or left side of the ECU using the cable clamp and an existing screw on the ECU.
5. Mount the ECU securely under the bar using the four wood screw provided.
6. Mount the activator ring holder to the right or left of the ECU using 4 wood screws. Mount the holder to a secure surface where it will be within the bartender's convenient reach.



About Installing a Laserita ECU

Follow the installation steps for an Infinity ECU to install a Laserita ECU. See *Install the Infinity ECU* in this section. Included here are tips to consider when installing Laserita as part of an **Infinity** system.

ECU Number and Baud Rate

See *Set Infinity ECU Number and Baud Rate* in this section.

Dispenser

The Laserita ECU supports a single Laserita dispenser. See *Connect Dispensers to the Infinity ECU* in this section. However, the Laserita does not support the use of air solenoids, so do not connect any cables to the LIQ SOL J923A or J923B ports.

Pump System

Without air solenoids, the Berg Laser pumping system cannot be used. See the pump vendor's documentation for installation of pressurized pumps and for guidelines on post-mix Bag in the Box dispensing.

Calibration, Brands, Prices and Portion Sizes, Dispenser Control

These tasks are performed using the **Infinity** software.

Note

- ❑ An Infinity ECU can't be upgraded to a Laserita ECU.

About Installing a 1544 System with Infinity

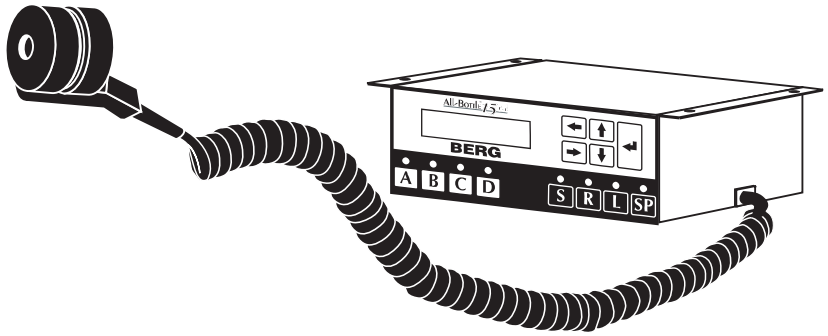
You should refer to the *All-Bottle 744/1544 Installation/Service and User Manual* for details on installing an All-Bottle 1544 system. Included here are tips to consider when installing the All-Bottle 1544 as part of an **Infinity** system.

ECU Number and Baud Rate

See *Set Station Number* and *Serial Port Setup* in the *ECU Setup* section of the *All-Bottle 744/1544 Installation/Service and User Manual*. Remember to give every ECU in the network (Infinity, TAP 1 or All-Bottle 1544) a unique number. Set the baud rate to 9600 if the ECU will be connected to a local network. Set the baud rate to match the baud rate of the modem if the ECU will be connected to a remote network.

Calibration, Prices, Portions Pouring Control

You won't use these sections of the *All-Bottle 744/1544 Installation/Service and User Manual*. These tasks are now performed using **Infinity** software.



1544 Infinity ECU

Caution

Operating Environment

The components that comprise the **1544** system have been designed to perform well in a typical bar, restaurant, or stadium environment. However, as with all electronic equipment, certain guidelines should be followed in locating the components. For the ECU and Power Supply, a protected, dry and clean location is required. The operating temperature range for these components is from 5° C to 40° C (41° F to 104° F).

About Installing a Laser System with Infinity

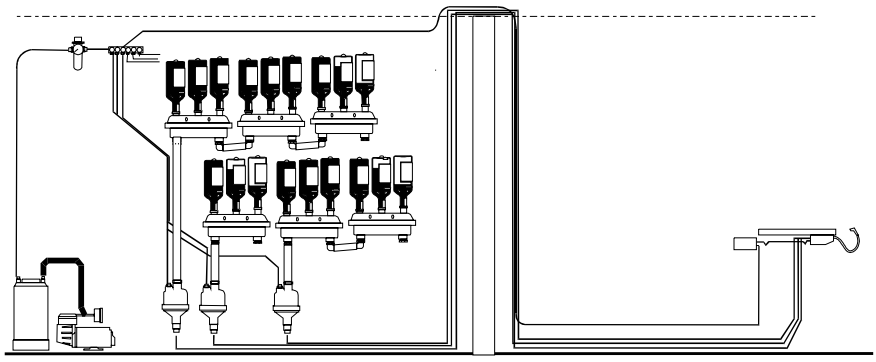
You should refer to the *Laser Installation/Service Manual* for details on installing a Laser system. Included here are tips to consider when installing the Laser system as part of an **Infinity** system.

Calibration, Brands, Prices and Portion Sizes, Dispenser Control

These tasks are performed using the **Infinity** software.

Accuracy Utility

To help determine maximum distance between the Laser guns and the back room liquor racks and how many Laser guns can share the same source bottles, use the Accuracy utility provided with **Infinity** software. For help with the utility, see *Accuracy Utility* in this section.

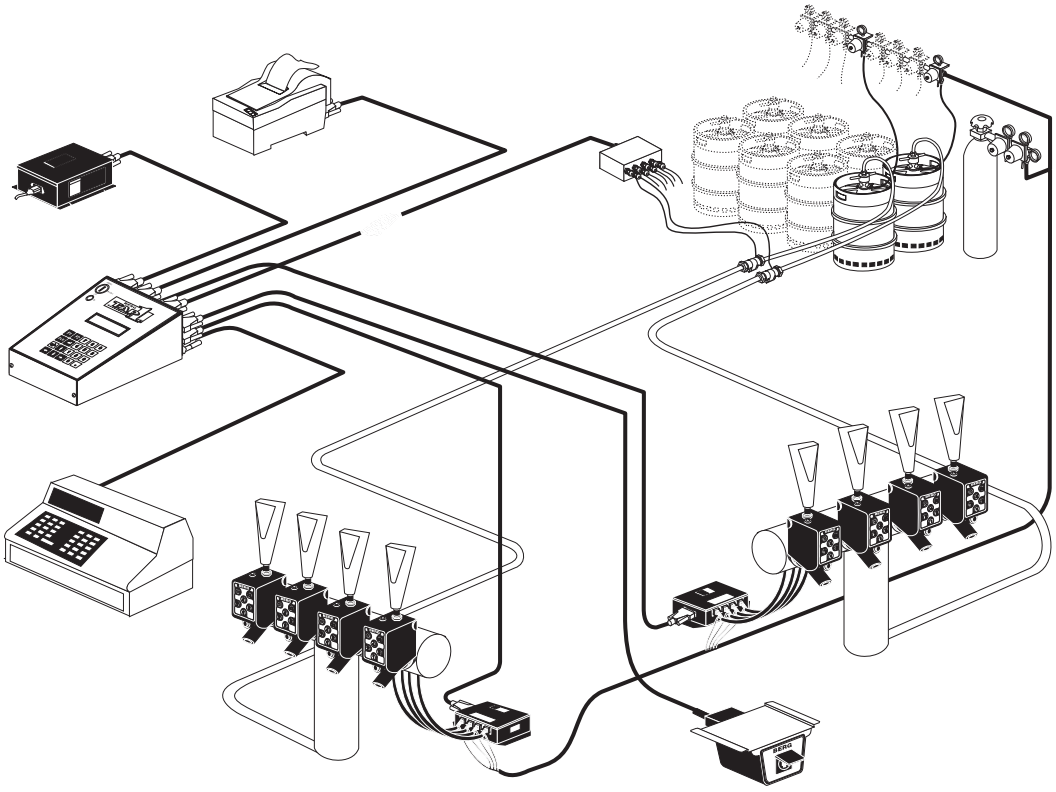


Laser system overview

About Installing a TAP 1 System with Infinity

You should refer to the *TAP 1 Installation/Service Manual* for details on installing a TAP 1 system. Included here are tips to consider when installing the TAP 1 system as part of an **Infinity** system.

ECU Number and Baud Rate	See *Enter the ECU Number* and *Set the Baud Rate* in the *ECU Setup* section of the *TAP 1 Installation/Service* manual. Remember to give every ECU in the network (Infinity or TAP 1) a unique number. Set the baud rate to 9600 if the ECU will be connected to a local network. Set the baud rate to match the baud rate of the modem if the ECU will be connected to a remote network.
Infinity Interface	You don't have to do anything at the TAP 1 ECU to configure the interface. Once the TAP 1 ECU is defined with a network name and number at the computer, it automatically goes into **Infinity** interface mode.
Calibration, Brands, Prices and Portion Sizes, Tap Control	You will not use these sections of the *TAP 1 Installation/Service* manual when TAP 1 is part of an **Infinity** system. These tasks are now performed using **Infinity** software instead of the TAP 1 ECU.
TAP 1 ECU Network Connections	See *Connect ECUs in a Network, Install a Local Network* or *Install a Remote Network* in this section.



TAP 1 system overview

Connect Dispensers to the Infinity ECU

Each Infinity ECU can control one I-Box or All-Bottle ID dispenser and one or two Laser dispensers.

To connect the I-Box or All-Bottle ID dispenser to the ECU:

1. Run the I-Box or All-Bottle ID dispenser cable in a safe path from the dispenser to the ECU. The cable comes in two lengths: the standard 15 ft (4.6 m) cable or an optional 25 ft (7.6 m) cable. Custom cable lengths can be ordered up to 150 ft (45.7 m).

2. Plug the ECU end of the I-Box or All-Bottle ID dispenser cable into the INFINITY J911 port on the ECU. Secure it with the captive screws in the flanges of the cable connector.

To connect the Laser dispenser to the ECU:

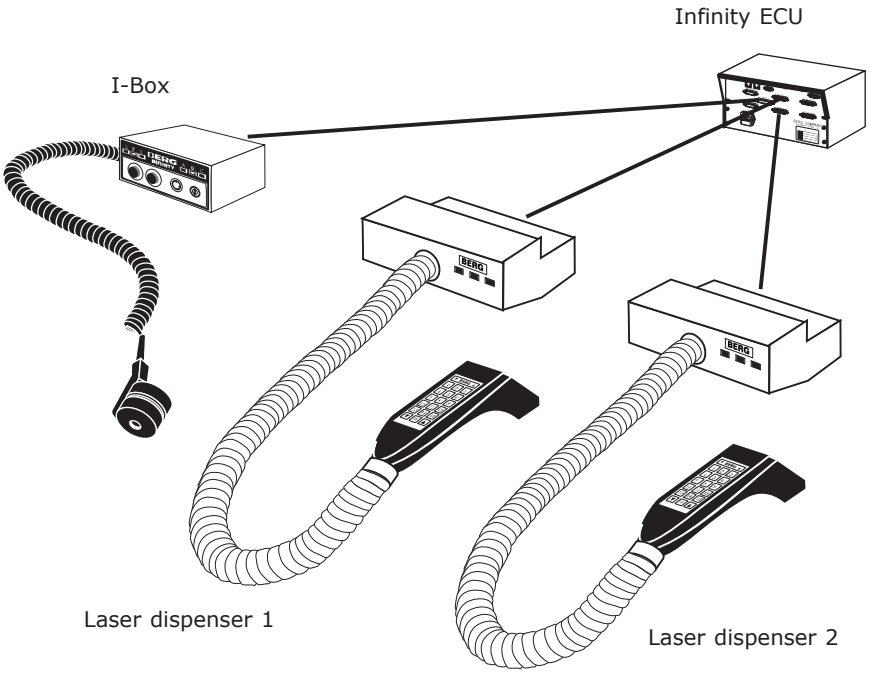
1. Run the Laser dispenser cable in a safe path from the dispenser to the ECU. The cable comes in two lengths: the standard 10 ft (3 m) cable or an optional 25 ft (7.6 m) cable. Custom cable lengths can be ordered up to 200 ft (61 m).

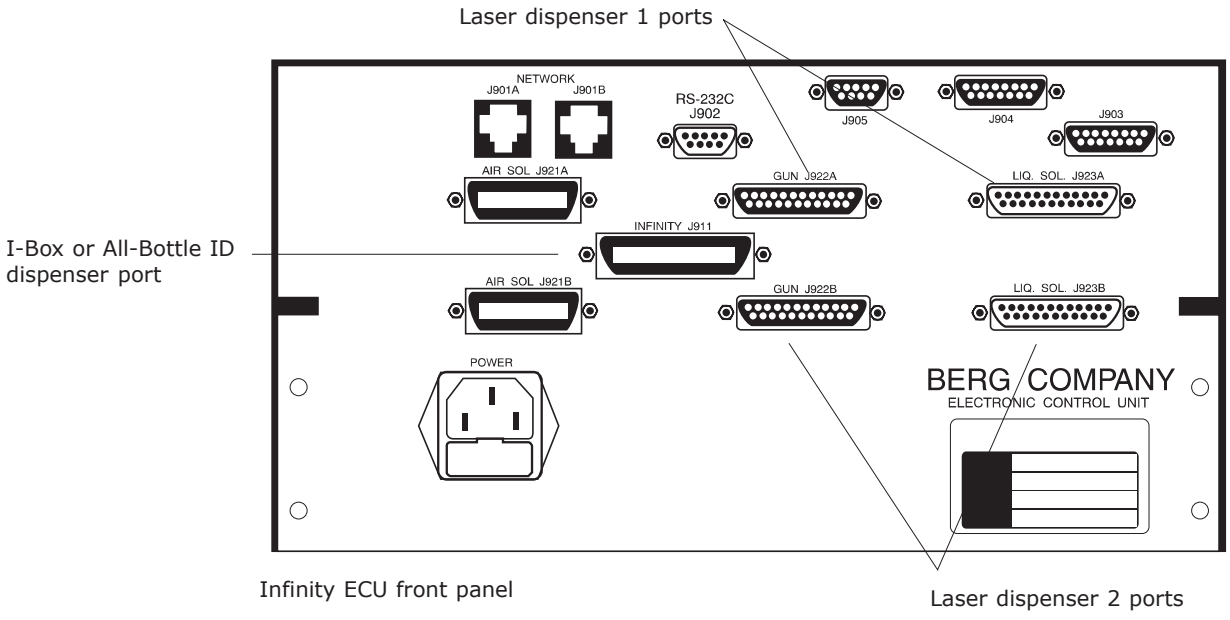
2. Plug the ECU ends of the two 25-pin Laser dispenser cables from dispenser 1 into the GUN J922A and LIQ SOL J923A ports on the ECU. Secure them with the captive screws in the flanges of the cable connectors.

   Plug the ECU ends of the two 25-pin Laser dispenser cables from dispenser 2 (if any) into the GUN J922B and LIQ SOL J923B ports on the ECU. Secure them with the captive screws in the flanges of the cable connectors.

Note

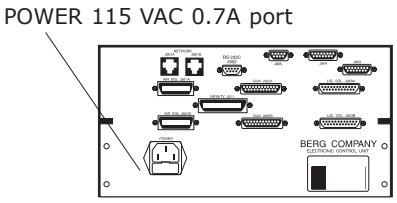
- ❑ Do not plug the air solenoid cable from the Laser dispenser into the ECU at this time. First verify the operation of all solenoids. Failure to do so can result in damage to one or more ECUs.


Infinity ECU
I-Box
Laser dispenser 1
Laser dispenser 2

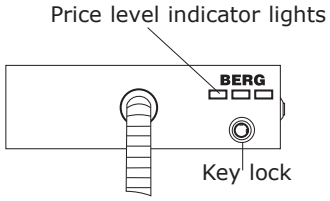

Laser dispenser 1 ports
I-Box or All-Bottle ID dispenser port
NETWORK
J901A
J901B
RS-232C
J902
J905
J904
J903
AIR SOL J921A
GUN J922A
LIQ. SOL. J923A
INFINITY J911
AIR SOL J921B
GUN J922B
LIQ. SOL. J923B
POWER
BERG COMPANY
ELECTRONIC CONTROL UNIT
Infinity ECU front panel
Laser dispenser 2 ports

Verify Air Solenoid Operation and Connect to ECU

Perform the following task after the liquor room, air delivery system and Laser dispensers are completely installed. See the *Laser Installation/Service Manual* for help with those installations. This task requires two people, one at the dispenser and one at the air solenoids. A telephone, intercom or two-way radio is also recommended. This task must be performed for each Infinity ECU with Laser dispensers before the air solenoid cables can be plugged into the ECU.



Infinity ECU front panel



Laser dispenser front panel

To verify air solenoid operation:

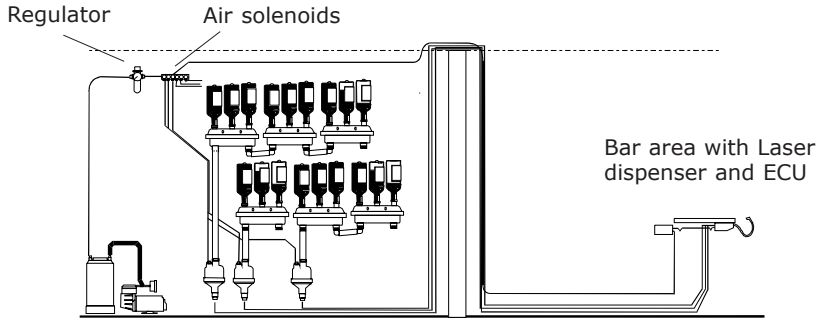
1. Plug the Infinity ECU power cord into the ECU using the POWER 115 VAC 0.7A port. Plug the other end of the cord into the 115V power supply.

2. Use a key to turn on the Laser dispensers connected to the ECU if they are not already unlocked. Watch for the price level indicator lights to come on at each Laser dispenser.

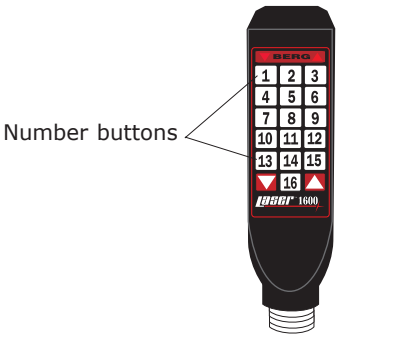
   If the lights do not come on, you cannot verify Laser solenoid operation for that dispenser. Make a note of the ECU number and complete this task for other Infinity ECUs in the system. Then you can troubleshoot the problem for this ECU once the software is installed and come back to verify solenoid operation.

3. The person at the dispenser should verify that air solenoid cables are NOT plugged into this or any ECU in the system and that the Laser dispenser is on.

4. The person at the air solenoids should verify that the air supply is connected to air solenoids in the liquor room and that the air regulator is set to 10 psi.



Laser System Overview

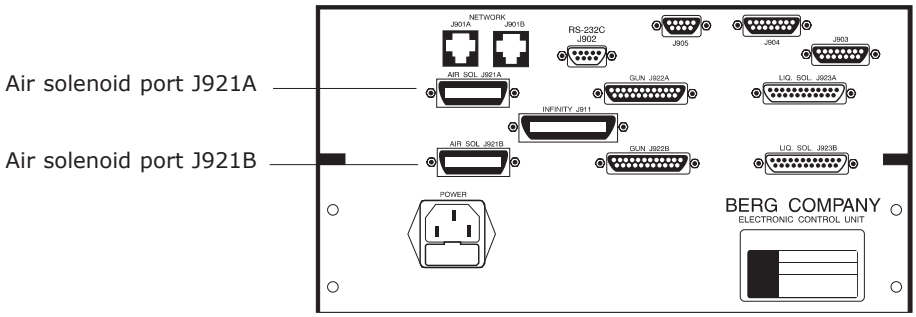


Laser gun (16 brand)

5. Press each number button in turn on the Laser gun of the first dispenser, verifying that the liquor solenoids inside the dispenser are operating. A "click" sounds as the solenoid opens and closes.

   If one or more liquor solenoids don't operate, the solenoid may be stuck–the "poppet" could be stuck to the rubber seat. See Berg over-the-counter #190.

6. If all the liquor solenoids operate, plug the air solenoid cable from one Laser dispenser into the correct port. Use port AIR SOL J921A for the cable from dispenser 1 or port AIR SOL J921B for the cable from dispenser 2. Only one air solenoid cable should be plugged in at a time for this test.



7. Press each button on the Laser gun in turn, at about ten second intervals between buttons. The person at the air solenoids should verify the operation of each air solenoid associated with the buttons. For example, when button 1 is pressed, the air solenoid for button 1 should fire, air should leave the solenoid through the breather filter, etc.

   If one or more air solenoids do not operate, check connections from the air solenoid pigtail to the air line.

8. If all the air solenoids for this dispenser operate correctly, disconnect the air solenoid cable for this dispenser from the ECU.

9. Repeat steps 5 through 8 for a second Laser dispenser (if any) at this ECU. Repeat steps 1-8 for each Infinity ECU in the system.

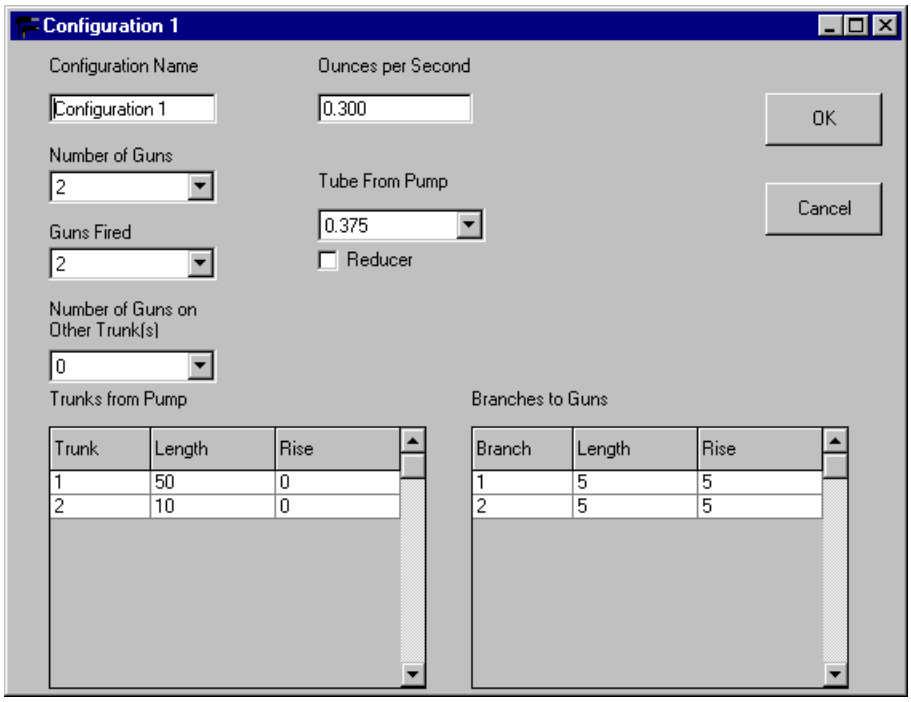
10. When you have verified air solenoid operation for all Laser dispensers in the system, connect all air solenoid cables to the correct ports on the ECU(s).

Accuracy Utility

This utility can be used as a worksheet to help you determine the appropriate distance between Laser guns and the liquor racks. It also helps determine how many guns can share the same source bottles. This utility is only available on the **Infinity** installation CD.

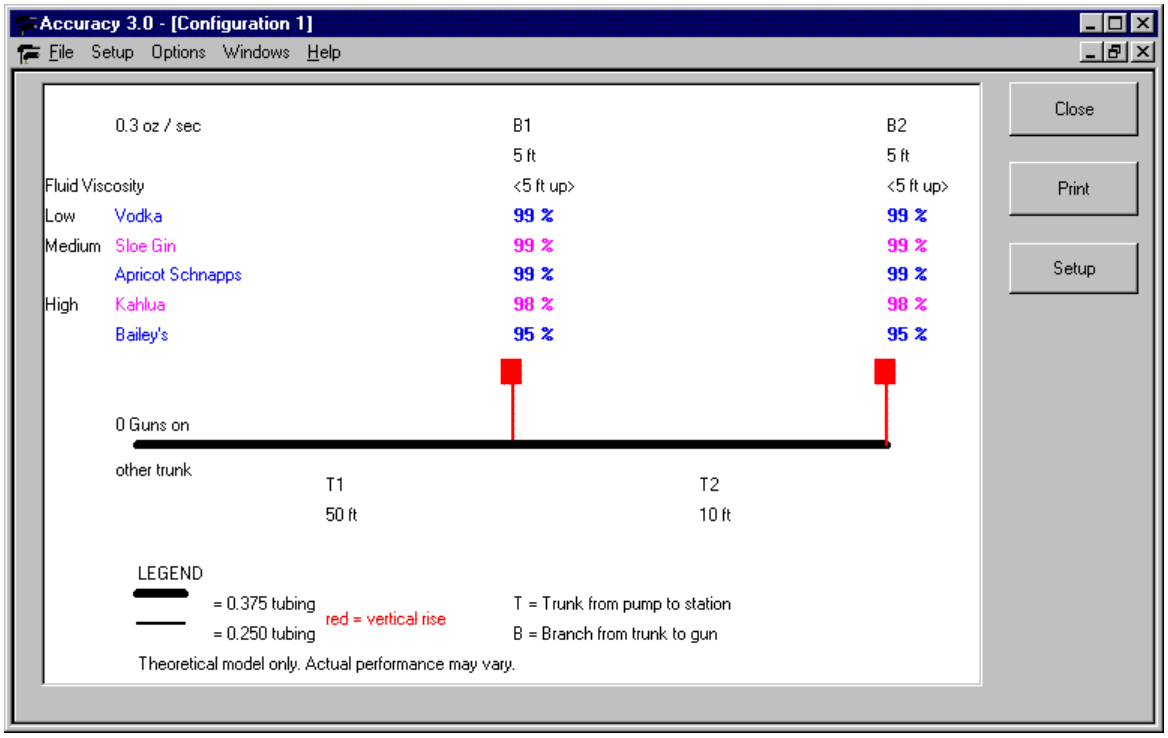
To use the Accuracy utility:

1. Run "Accuracy.exe" found on the **Infinity** installation CD.



2. Enter the configuration data from your Laser system and click **OK**.

   The program uses the data you enter to determine the percentage of accuracy for the flow at each gun.



3. The accuracy results are displayed in a window. Accuracy percentages are given for Low, Medium and High viscosities for each gun, given the distance measurements, tubing diameters and flow per second you've entered.

   To print the worksheet, click **Print**.

   To enter different measurements, click **Setup**.

   To exit click **Close**.

Connect ECUs in a Network

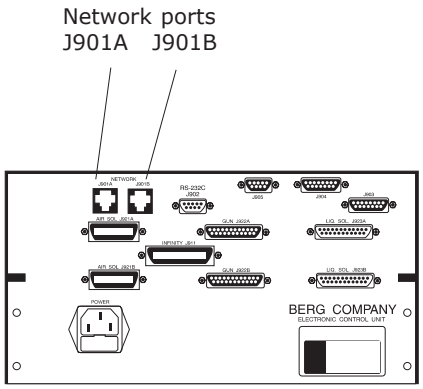
You should have determined by now which network configuration (hub and spoke, daisy chain, or combination) works best for this installation. You should have appropriate lengths of communication cable with crimped plugs at each end to connect all the ECUs in the network.

To connect ECUs in a network:

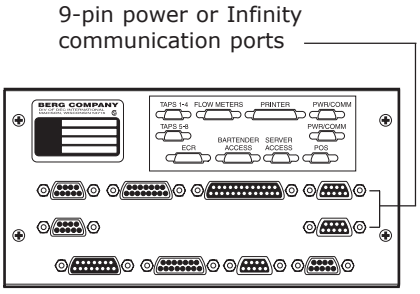
1. Run the cable lengths between ECUs in the configuration that you have chosen.

   Keep all cable a safe distance (12 in or 30.5 cm) from any high-current devices (transformers, dishwashers), any heat sources (hot water pipes, light bulbs), and any sharp objects.

2. Secure the cable with tie straps or something that won't cut the cable. Do not use narrow or sharp-edged staples.



3. **At each Infinity or Laserita ECU**, insert the communication cable plug into one of the two NETWORK ports, J901A or J901B. The two ports are interchangeable, allowing for two cable connections at the ECU if necessary for your configuration.

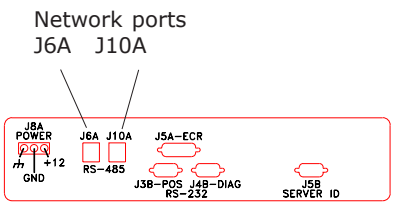


4. **At each TAP 1 ECU**, determine if the communication cable will connect to the TAP 1 ECU itself or to its power supply unit.

   There should be one free DB9 connector on both the TAP 1 ECU and its power supply unit. These connectors on the ECU and the power supply are exactly the same and can be used interchangeably to accommodate your configuration.

5. Connect a DB9 to RJ-12 (Berg PN 8004811) converter to one of the 9-pin D sockets on the ECU or its power supply.

6. Insert the communication cable plug into the RJ-12 socket on the DB9 to RJ-12 converter.



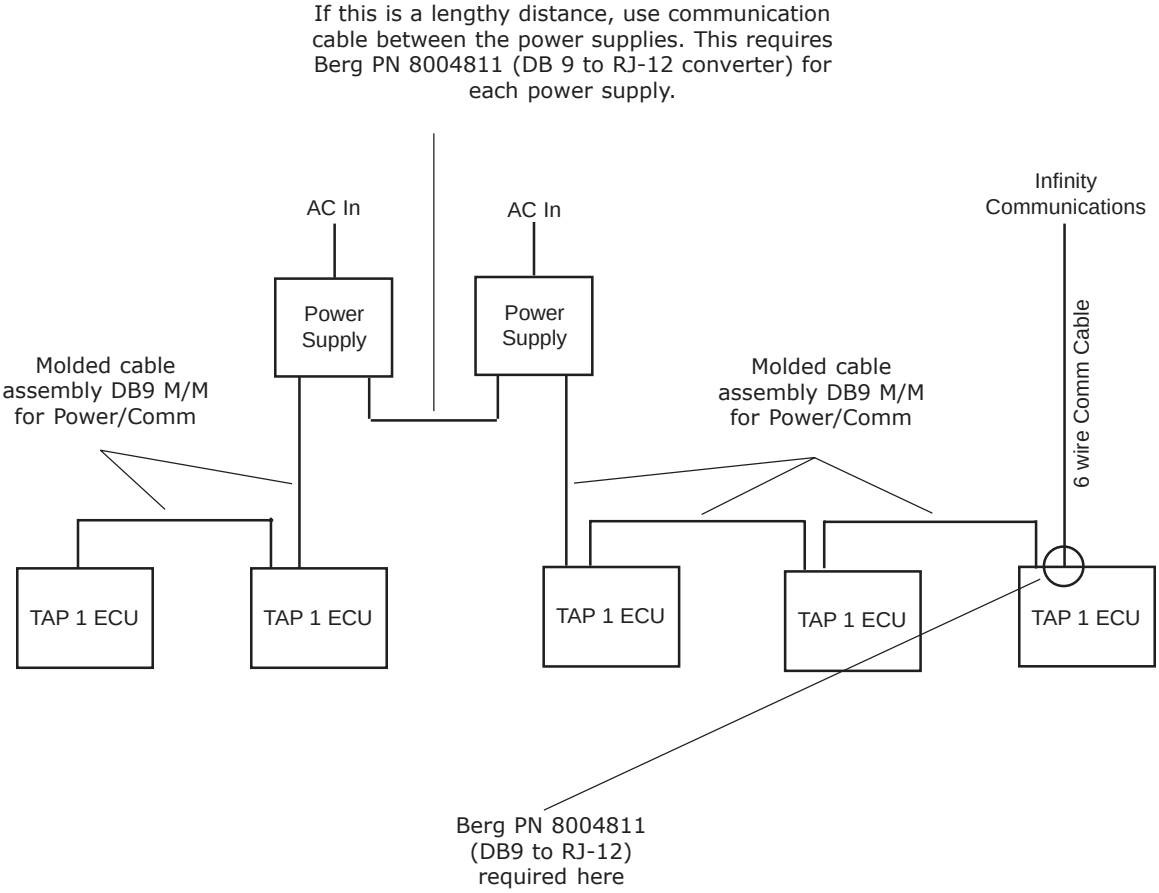
7. **At each 1544 Infinity ECU**, insert the communication cable plug into the J6A or J10A port on the back of the ECU.

At each network junction box (if any), insert the communication cable plug into any port on the box. These ports can be used interchangeably.

8. Check every ECU in the network to make sure it is properly connected.

Note

- ❑ Remember that your network must have a single component through which all network-to-computer communication flows. It must be either a single ECU, a single power supply, or a single network junction box.


If this is a lengthy distance, use communication cable between the power supplies. This requires Berg PN 8004811 (DB 9 to RJ-12 converter) for each power supply.
AC In
AC In
Infinity Communications
Power Supply
Power Supply
Molded cable assembly DB9 M/M for Power/Comm
Molded cable assembly DB9 M/M for Power/Comm
6 wire Comm Cable
TAP 1 ECU
TAP 1 ECU
TAP 1 ECU
TAP 1 ECU
TAP 1 ECU
Berg PN 8004811 (DB9 to RJ-12) required here

Example TAP 1 Layout

All connections shown are DB 9 connectors on new TAP 1 systems. Old style systems used 7 pin round connectors and required an additional cable for communications (Berg PN 8004810, 7 pin round to DB 9).

Connect a Local Network

If your network of ECUs is within 4,000 feet (1219 m) of the computer and hardwiring is practical, you can install a local network. In addition to lengths of communication cable with plugs attached, you need an RS-232 / RS-485 PC converter (Berg PN 8009344) to connect the network to the computer.

■ To connect a local network:

1. Run the cable length between the computer and a single component of the network.

   Keep all cable a safe distance (12 in or 30.5 cm) from any high-current devices (transformers, dishwashers), any heat sources (hot water pipes, light bulbs), and any sharp objects.

2. Secure the cable with tie straps or something that won't cut the cable. Do not use narrow or sharp-edged staples.

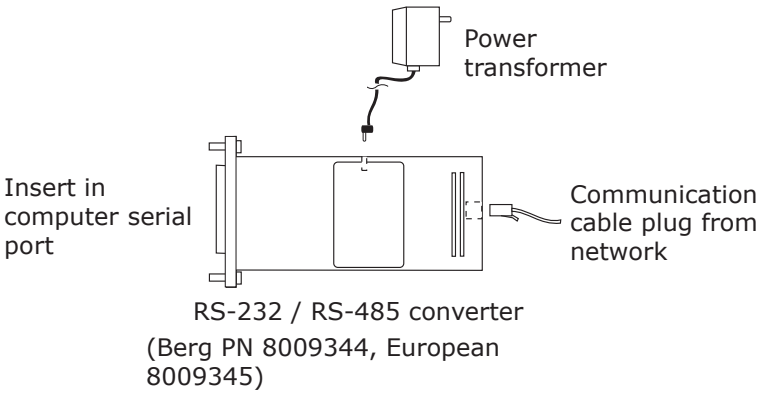
3. Plug the connector from the power transformer into the side of the RS-232 / RS-485 PC converter.

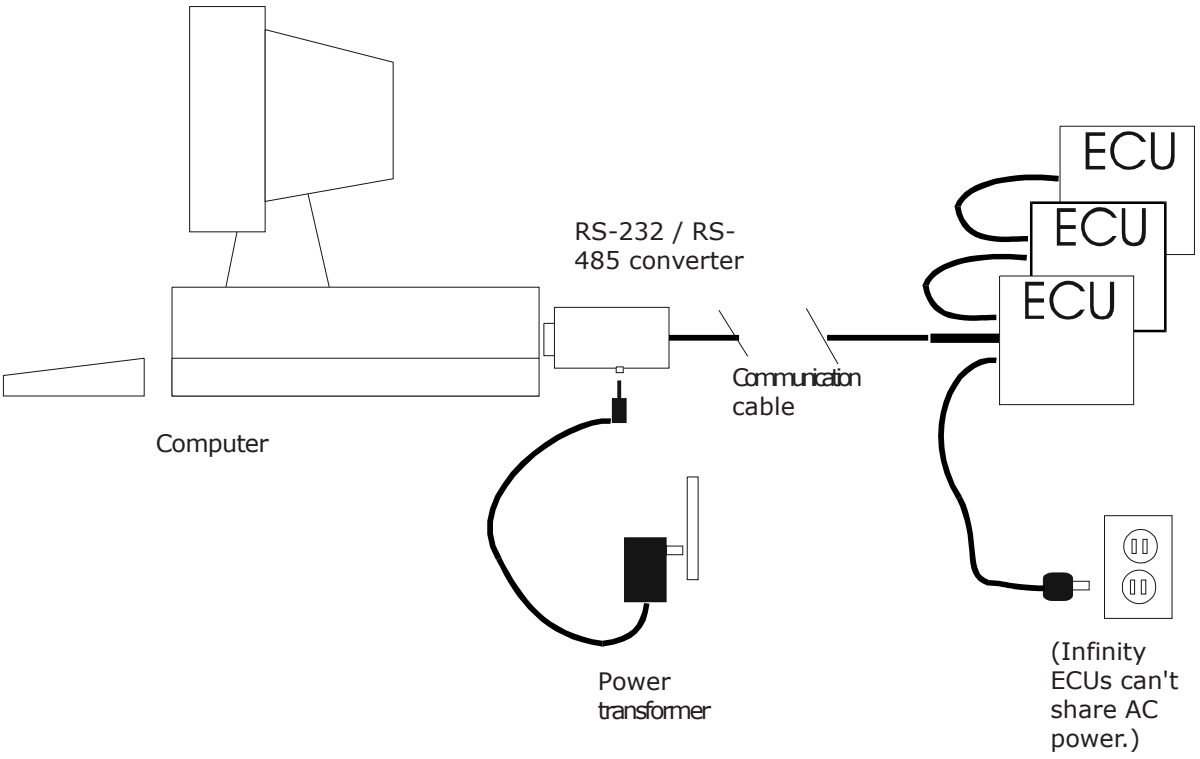
4. Plug the power transformer into the same buffered power strip used by the computer.

5. Insert the RS-232 / RS-485 PC converter into a serial port of the computer and secure it with the captive screws in the connector flanges.

   If the PC converter does not fit in the serial port, insert a 9-to 25-pin adapter cable.

6. Insert the communication cable plug from a single component of the network into the RJ-12 socket on the converter.


Power transformer
Insert in computer serial port
Communication cable plug from network
RS-232 / RS-485 converter
(Berg PN 8009344, European 8009345)



4000 ft (1219 m) Distance Limit

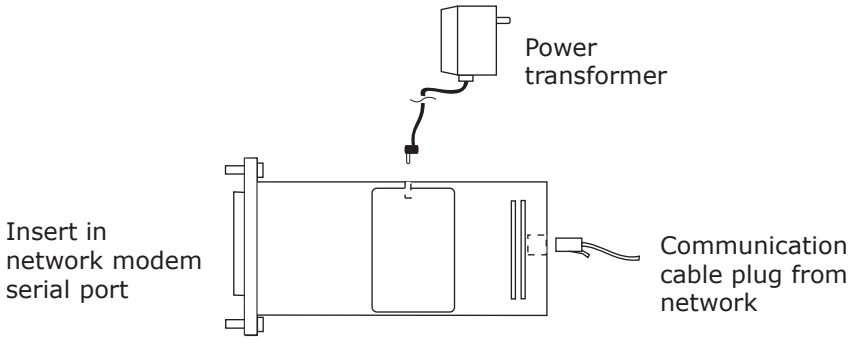
- The industry standard for the RS-485 communication protocol used by **Infinity** is 32 nodes at up to 5000 ft (1524 m).
- Even though the RS-485 protocol is capable of communicating over long distances, the results at each installation depend very much on the number and strength of outside interference sources such as compressors, refrigeration equipment, switching lights, radio communication devices and appliances.
- Long distances of clear RS-485 communication are obtainable if the **Infinity** installation is performed with care and if the site has a suitable limited-interference communication route available.
- If your **Infinity** network is 4000 ft (1219 m) or more from the computer or if hardwiring is impractical because of interference or other reasons, connect the network to the computer via modem.

Connect a Remote Network

If your **Infinity** network is more than 4000 ft from the computer or hardwiring is impractical, you should connect the network to the computer via modem. Please note that a remote **Infinity** network does not require a continuously open phone line. The line is only used during data exchange between the ECUs and the computer (setup, reports, etc.). The rest of the time the ECUs function without communication with the computer. You need a modem for the computer and one for each remote network.

To connect a remote network:

1. Determine an appropriate location for the network modem. Install the modem with a buffered power strip.
2. Plug the connector from the power transformer into the side of the RS-232 / RS-485 modem converter (Berg PN 8002619).
3. Plug the power transformer into the same power strip used by the network modem.
4. Insert the RS-232 / RS-485 modem converter into the network modem's input serial port and secure it with the captive screws in the connector flanges.
5. Insert the communication cable plug from a single component of the network into the RJ-12 socket on the RS-232 / RS-485 modem converter.
6. Connect the network modem to the telephone system according to the modem manufacturer's instructions.
7. If an internal or external modem is not already installed at the computer, install one according to the manufacturer's instructions.



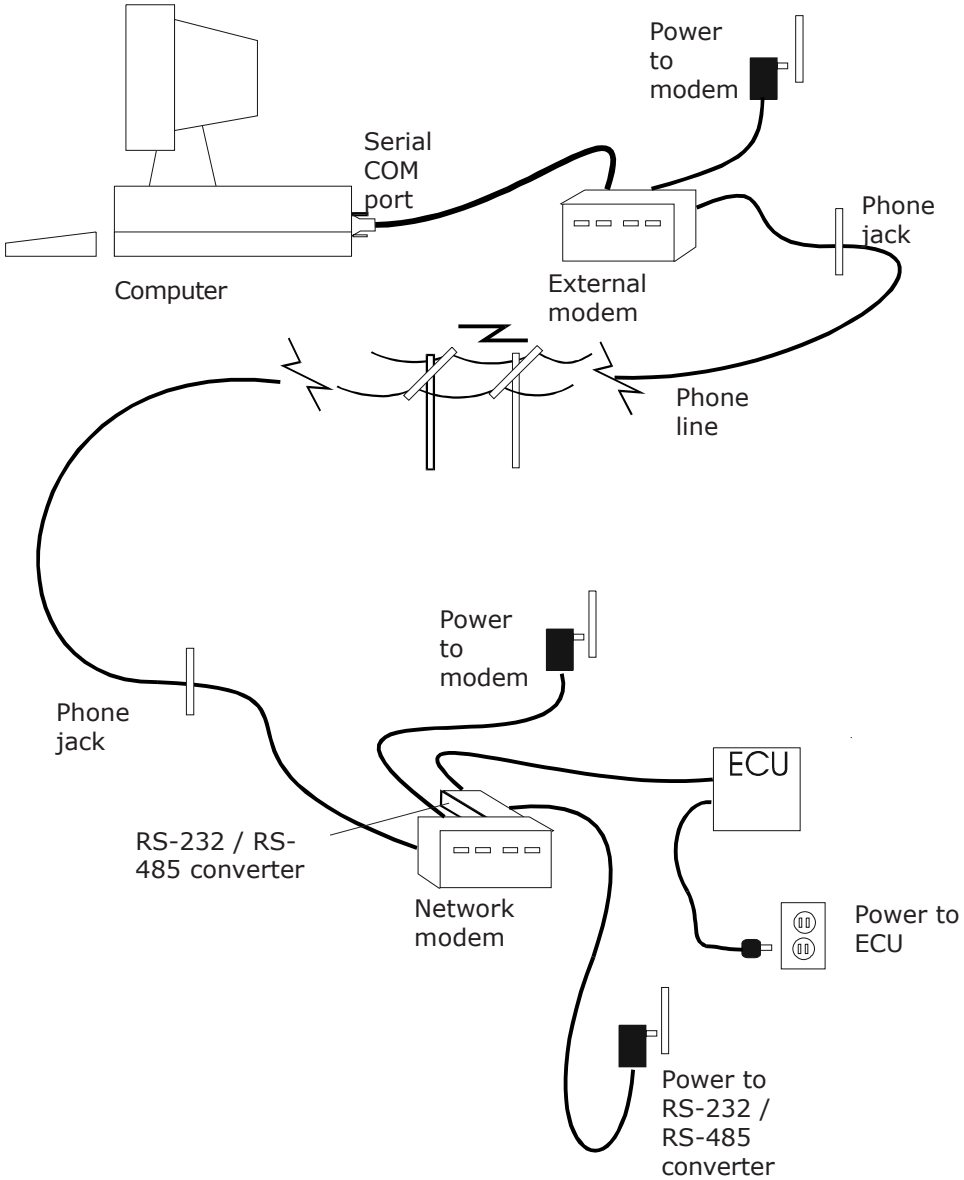
RS-232 / RS-485 modem converter (Berg PN 8002619, European 8002631)

Note

- While you may use any Hayes-compatible modem, Berg strongly recommends you get modems for this application from Berg. The modems you order from Berg are individually tested to ensure compatibility with **Infinity**. Order Berg PN 8002616 for a computer modem or PN 8002617 for a station modem. Berg does not support modems purchased elsewhere.

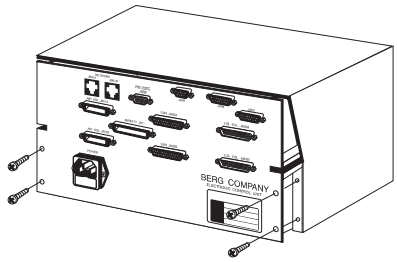
Dip Switch Settings

Computer Modem	Station Modem
DTR Normal	DTR Forced
Auto Answer Off	Auto Answer On
Carrier Detect Normal	Carrier Detect Forced
Load Factory Defaults	Load Factory Defaults
Smart Mode	Dumb Mode

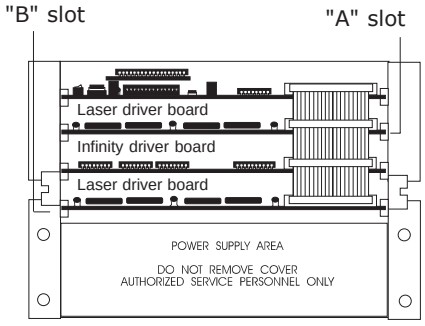


Set Laser Driver Board Jumpers

For each Laser dispenser connected to an Infinity ECU, a Laser driver board resides in the ECU. You may need to remove this board to verify or make jumper settings. A jumper (or bridge clip) connects a middle pin to one of the other two pins at a jumper location. Jumpers are preset at the factory on new systems and seldom need to be changed. Verify the correct jumper settings on any Laser driver boards before actual installation.



Infinity ECU cover removal



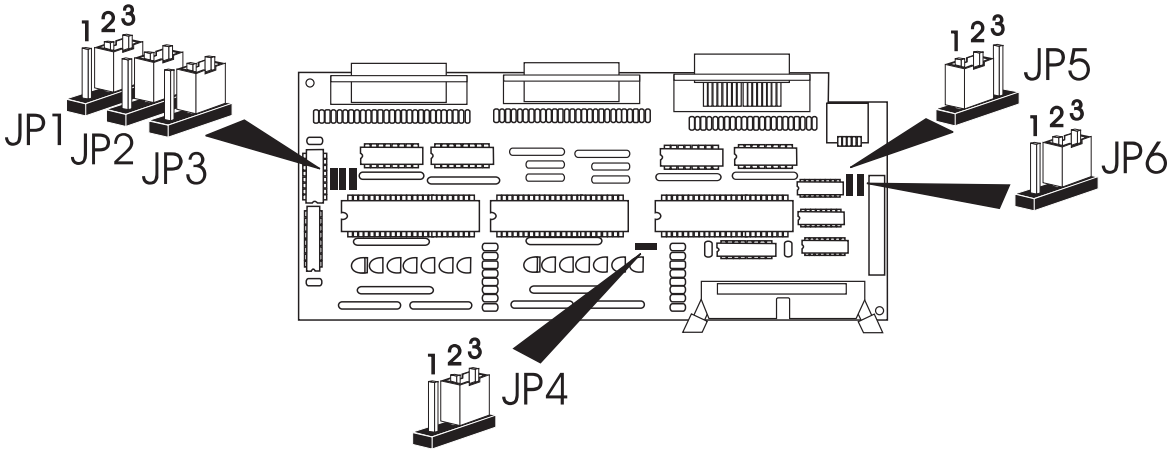
ECU board positions (view from back of ECU)

■ To verify or set Laser driver board jumpers:

1. Disconnect the ECU from any power source.
2. Remove the ECU chassis cover by loosening 4 machine screws. Slide the chassis out from under the cover.
3. Locate the Laser driver board(s) within the ECU chassis. If you have only one board, it should be in the top or "A" slot. A second driver board fits in the "B" slot.
4. Remove the hex screws connecting the board to the side of the ECU chassis. Carefully remove the driver board from the ECU chassis. Remove the screws attaching the ribbon cable. Handle the board gently, by its edges, and take care not to bump or rub it against ay other object or surface that might disengage board subcomponents or scratch the surface connector tracings.
5. Locate the six jumpers on the driver board. Orient the board so the components are facing you and turned to match the illustration.
6. Jumpers **JP1** (yellow, middle), **JP2** (red, left) and **JP3** (red, right) control the front panel LEDs indicating portion size or price level.

   If price levels will be used, set JP1, JP2 and JP3 to the up position by connecting pins 2 and 3. Front panel lights will indicate price levels A, B, or C.

   If price levels will not be used, set JP1, JP2 and JP3 to the



down position by connecting pins 1 and 2. Front panel lights will indicate portion sizes A, B, or C.

7. Jumper **JP4** controls the **Infinity** lockout feature which prevents simultaneous pouring of the same brand from more than one dispenser. Simultaneous pouring can cause minor inaccuracies in portion size.

   To enable the lockout feature and prevent simultaneous pouring, set JP4 to the left position by connecting pins 1 and 2.

   To disable the lockout feature and allow simultaneous pouring, set JP4 to the right position by connecting pins 2 and 3

8. Jumper **JP5** should always be set to the down position by connecting pins 1 and 2 to assure proper performance.

9. Jumper **JP6** determines the address for the Laser dispenser attached to the driver board. The address is a number (1 or 2) that the ECU uses to distinguish two Laser dispensers.

   To specify address 1 for the driver board from the "A" slot: set JP6 to the up position by connecting pins 2 and 3. Use this setting if you have only one Laser dispenser.

   To specify address 2 for the driver board from the "B" slot: set JP6 to the down position by connecting pins 1 and 2.

10. Return the board to the correct slot in the ECU and re-attach the ribbon cable to the driver board. Make sure the edge connector is firmly seated in the slot. Replace the hex screws on the side of the ECU chassis.

11. Replace the ECU chassis cover with the 4 machine screws.

Crimp Plugs to Communication Cables

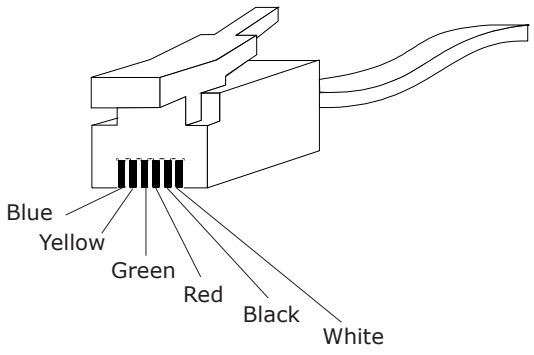
If you use custom length communication cables to connect ECUs in a network, you must manually attach or "crimp" a plug to each end of the cable. Be sure to use a quality crimping tool to assure a good connection between cable and plug.

■ To crimp a plug to a cable end:

1. If you have not already done so, determine the length of communication cable you need between each ECU and cut the appropriate lengths.
2. Carefully strip back about 1/4 in (0.6 cm) of the outer jacket from one end of the cable. Do not strip any insulation from the individual wires within the cable.
3. Insert the individual wires in the correct color sequence all the way into the plug. The color sequence is important. See the illustration.
4. Attach the crimping tool to the plug and crimp firmly.
5. Check the plug and verify that all six wires are completely crimped, and that the cable is held firmly in place by the V-type crimp on its outer jacket.
6. Repeat steps 2-5 for all other cable ends.

Note

- ❑ You can order a crimping tool (Berg PN 8008669) from Berg.



SECTION 3

Software Installation

Infinity software allows you to manage all aspects of beverage dispensing including brand and price assignment, dispenser operation and management reports conveniently run on a schedule. You must install the software on your computer before the hardware connections can be fully tested. This section provides help with the following tasks:

Install **Infinity** Software at a New Site 3-2

Windows NT/2000/XP Installation Notes 3-4

Upgrade Existing **Infinity** Software 3-5

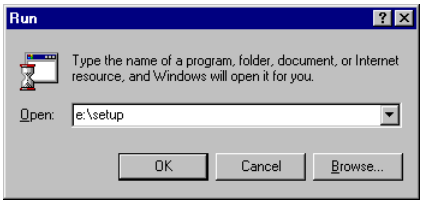
Infinity Programs 3-7

Install Infinity Software at a New Site

Infinity can be installed on Windows 98, 2000, ME, XP or NT. **Infinity's** setup program makes installation easy. Simply respond to the prompts on each setup screen. If you're installing with Windows NT, XP or 2000, see *Windows NT/2000/XP Installation Notes* in this section.

To install Infinity software at a new site:

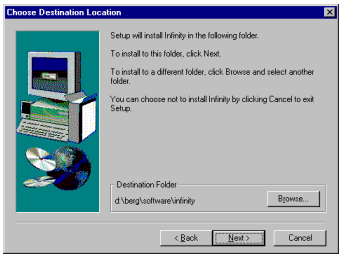
1. Close all other programs running under Windows.
2. Insert the **Infinity** CD in a CD drive.
3. If the setup program doesn't start automatically, click **Start** and then **Run.** Type **e:\setup** (where **e** is the CD drive letter) and click **OK**.



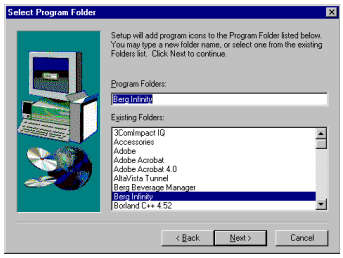
4. Follow the instructions on your screen. Click **Next** to continue through the setup process or **Back** to return to a previous screen. Click **Cancel** to stop the setup process.

5. Choose **Typical** in the **Setup Options** screen.

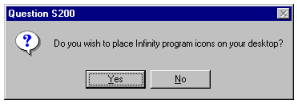
6. Click **Next** to accept the default destination directory for the software. If you prefer a different destination, enter a new directory.


Choose Destination Location
Setup will install Infinity in the following folder.
To install to this folder, click Next.
To install to a different folder, click Browse and select another folder.
You can choose not to install Infinity by clicking Cancel to exit Setup.
Destination Folder
d:\berg\software\infinity
Browse...
< Back
Next >
Cancel

7. Click **Next** to accept the program group or folder for the placement of **Infinity** program icons. Or, if you prefer, enter a different group or folder.


Select Program Folder
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing Folders list. Click Next to continue.
Program Folders:
Berg Infinity
Existing Folders:
3Com Impact IQ
Accessories
Adobe
Adobe Acrobat
Adobe Acrobat 4.0
AltaVista Tunnel
Berg Beverage Manager
Berg Infinity
Borland C++ 4.52
< Back
Next >
Cancel

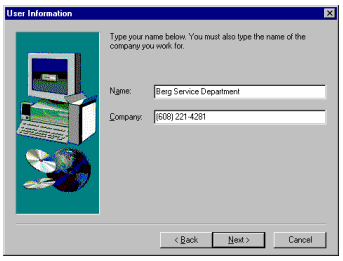
8. Click **Yes** to place the **Infinity** program icons on your computer desktop.



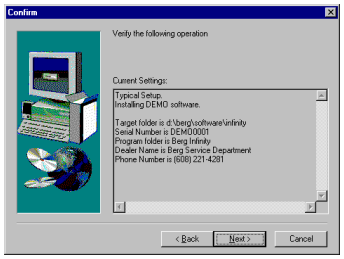
Infinity Serial Number

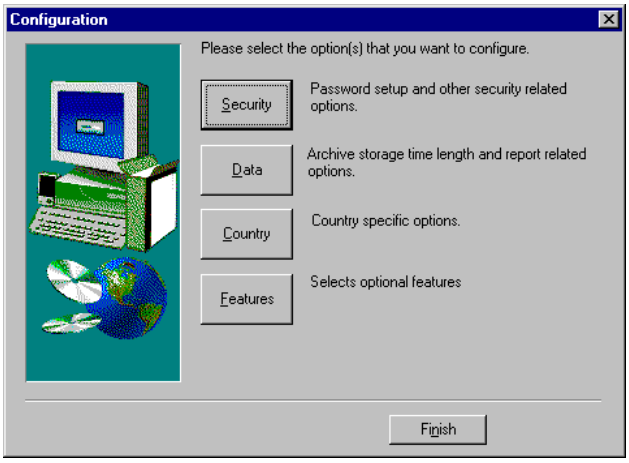
For security purposes, each **Infinity** CD is coded with a unique serial number assigned to a specific customer. Be sure to install the software at each site with the **Infinity** CD coded for that site.

9. Enter the dealer's name and phone number for technical support and click **Next**. (The Berg Company name and phone number are used if you don't enter a dealer name.)



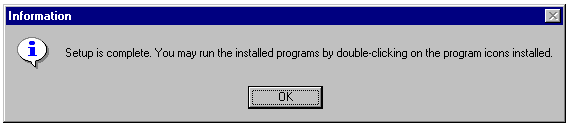
10. Click **Next** to confirm the installation. To change anything, click **Back** until you get to the appropriate screen.





11. Wait while the software is installed.

12. When the installation is complete, the **Configuration** screen appears. For help entering configuration options, see the *Configuration Options* section. Or, click **Help** on the option screens for detailed instructions. After you enter your options,



you'll be returned to the **Configuration** screen. Click **Finish** to exit.

13. Click **OK** to return to Windows.

Windows NT/2000/XP Installation Notes

If you're installing **Infinity** with Windows NT, 2000 or XP, you can follow the steps outlined in install *Infinity Software at a New Site* in this section. However, the following notes are important to your installation.

Windows NT Service Pack

If you don't already have a Windows NT Service Pack 2 (or greater) installed on your computer, you need to install one before you can install **Infinity**. You can tell if a Service Pack is installed on your computer by watching the messages as your computer boots up. If you don't have a Service Pack, you can order one from Microsoft by calling 1-800-370-8758 (USA and Canada only).

Infinity is a Single User Application

Though **Infinity** runs under Windows NT, 2000 or XP, it is not a client/server application. It should be installed on a local drive and run from the computer where it is installed.

Install Infinity as the Administrator

You must log on to Windows NT, 2000, or XP as the administrator to install **Infinity** correctly.

The install program checks your administrator status as you begin the installation. If you're not logged on as the administrator you won't be able to proceed with the **Infinity** installation.

Upgrade Existing Infinity Software

Only **Infinity** versions 3.11 or later can be upgraded to the current version. If you're upgrading **Infinity** *and* installing on a new computer, first move the entire database to the new computer. Then install the **Infinity** upgrade in the same directory. If you install the **Infinity** upgrade on the new computer and then try to move the old database to the new computer, it won't work.

Backing Up Infinity

- Always keep a current backup of your database and configuration data and your original software disks. It's the best defense against unforeseen computer problems.

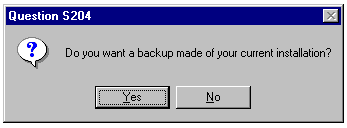
■ To upgrade existing Infinity software:

1. Exit your current version of **Infinity** and close all programs.

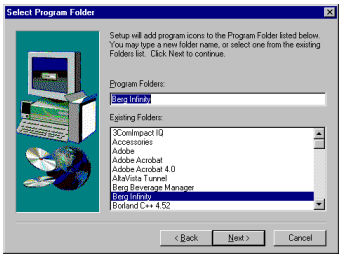
2. Insert the **Infinity** CD in a CD drive.
3. Click **Start**. Click **Run.**
4. Type **e:\setup** (where **e** is the drive letter), and click **OK**.
5. Follow the instructions on your screen. Click **Next** to continue through the setup process or **Back** to return to a previous screen. Click **Cancel** to stop the setup process.
6. Click **Typical** in the **Setup Options** screen.

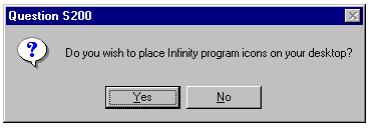
Infinity defaults to the directory of the most recent installation.

7. Click **Next** to accept the destination directory for **Infinity** or click **Browse** to choose a different directory.
8. Select **Upgrade** as the type of upgrade for this installation and click **Next**. (Click **Overwrite** only if your existing database is flawed, you want to completely start over, or you are directed to do so by Berg.)



9. Click **Yes** to have the setup data from your current installation of **Infinity** copied to the backup subdirectory. Click **No** if you already have a current backup.
10. Click **Next** to accept the program group or folder for the placement of **Infinity** program icons. Or, if you prefer, enter a different group or folder.

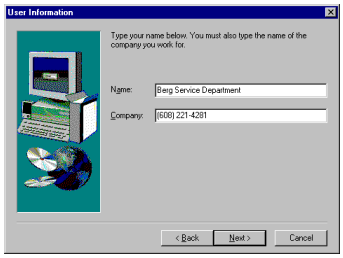

Select Program Folder
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing Folders list. Click Next to continue.
Program Folders:
Existing Folders:
3ComImpact IQ
Accessories
Adobe
Adobe Acrobat
Adobe Acrobat 4.0
AltaVista Tunnel
Berg Beverage Manager
Berg Infinity
Borland C++ 4.52
< Back
Next >
Cancel



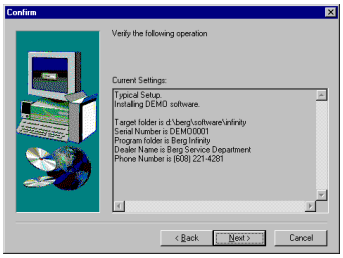
11. Click **Yes** to place the **Infinity** program icons on your computer desktop.

(continued on next page)

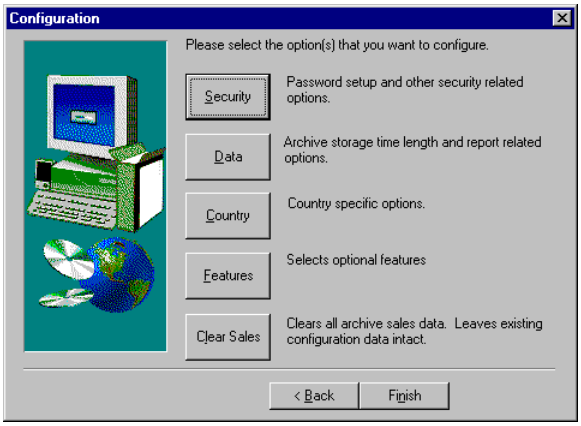
12. Enter the dealer's name and phone number for technical support and click **Next**.



13. Click **Next** to confirm the installation. To change anything, click **Back** till you get to the appropriate screen.



14. Wait while the software is installed.

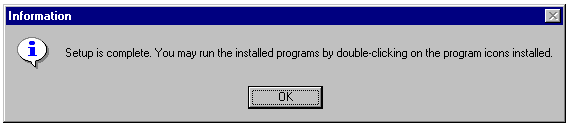


If you chose **Upgrade** as your upgrade option, all previous configuration options are still valid and you don't have to re-enter them.

15. The **Configuration** screen appears. For help entering configuration options, see the *Configuration Options* section. Or, click **Help** on the option screens for detailed instructions. After you enter your options, you'll be returned to the **Configuration** screen. Click **Finish** to exit.

Information
Any STORE disks you may have created will not be compatible with the updated database. Please run Utilities | Store Database Configuration to backup your updated database.
OK

16. Click **OK** after reading the STORE disks message. Don't forget to run **Utilities\Store Database Configuration** so you have a current backup of this installation.



17. Click **OK** to return to Windows.

Infinity Programs

The **Infinity** software package is a collection of programs that each perform specific functions. When you install **Infinity** software, a new group or folder is created in your Windows operating environment that contains the icons for each **Infinity** program. Take care not to delete any individual program from the **Infinity** group or you won't be able to perform certain tasks. You can pause one **Infinity** program to use another. See *Run Infinity Software* in the *Software Basics* section.

Infinity Help

Click this icon to access **Infinity** online help without running any other **Infinity** program. You can always access online help from within any other **Infinity** program.

Manager

Click this icon to access the **Manager** program where you can perform equipment and pouring setup tasks. If you install **Interface** software, click this icon to access **Interface**.

Report

Click this icon to access the **Report** program where you can configure and run system reports or exports.

Schedule

Click this icon to access the **Schedule** program where you can configure and run a schedule.

Utilities

Click this icon to access the **Utilities** program where you can perform various system maintenance or repair tasks.

SECTION 4

Software Basics

Review this section if you need to familiarize yourself with basic Infinity software functions. This section provides help with the following tasks.

Run **Infinity** Software 4-2

Enter Software Preferences 4-4

Infinity Demo Version Setup 4-6

Run Infinity Software with Password Protection 4-8

Uninstall **Infinity** Software 4-9

Run Infinity Software

You can run **Infinity** software programs just like any other Windows programs. If you're not sure which **Infinity** program you need to run to perform a specific task, see *Infinity Programs* in the *Software Installation* section. Since only one **Infinity** program can be active at a time, simply pause the program you're working in before loading another **Infinity** program.

■ To run an Infinity program:

1. Double-click one of the **Infinity** program icons on your Windows desktop.

   OR

   Click **Start** and point to **Programs**.

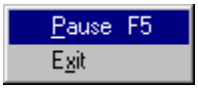
   Point to the **Berg Infinity** folder and click the program you want to run.

2. The main window for the program appears with a button for the program on the taskbar at the bottom of the screen.

■ To load another Infinity program:

1. While on the main window, press the **F5** function key on your keyboard.

   OR

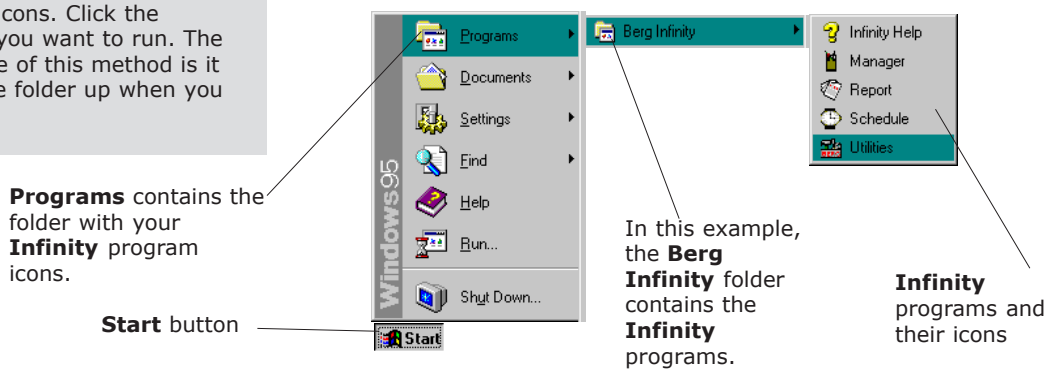


   From the main window, pull down the **File** menu and click **Pause**.

2. The current **Infinity** program pauses. You can now run another **Infinity** program.

3. To return to a paused program, click **OK** to restart it. You must exit or pause the other **Infinity** program before you can restart this one.

You can also right-click **Start** and click **Open**. Click **Programs**, then the folder containing your **Infinity** program icons. Click the program you want to run. The advantage of this method is it leaves the folder up when you reboot.

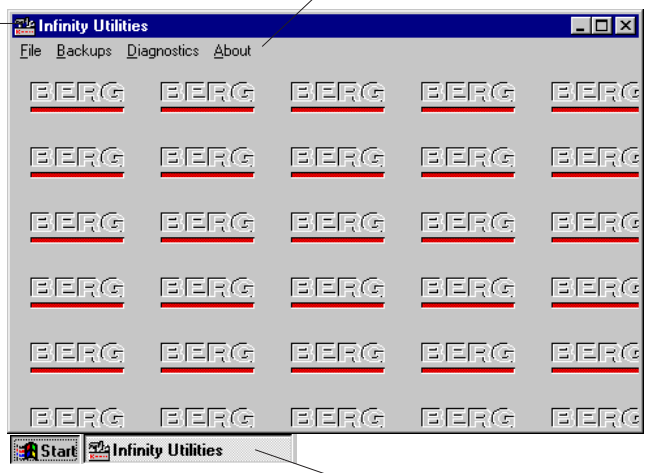


Programs contains the folder with your **Infinity** program icons.

Start button

In this example, the **Berg Infinity** folder contains the **Infinity** programs.

Infinity programs and their icons



Menu bar

Infinity Utilities main window

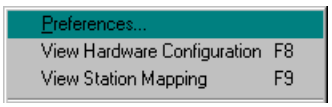
Taskbar button

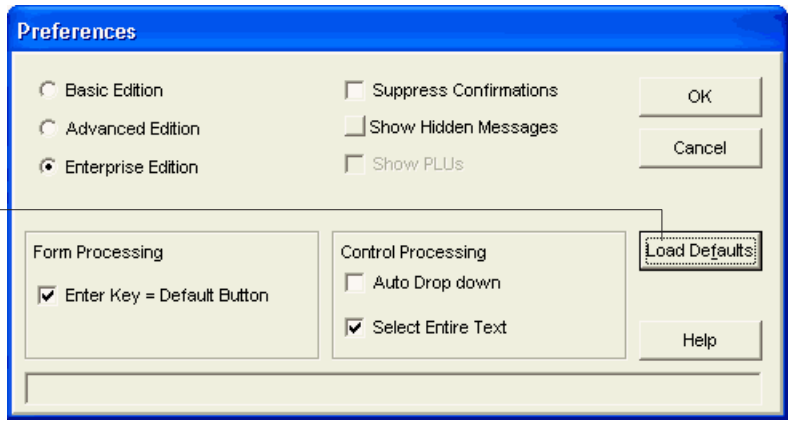
Enter Software Preferences

You can specify your preferences for entering data in **Infinity** in the **Manager**, **Report** or **Schedule** program and your choices take effect in all **Infinity** programs. If you're not sure about your preferences, you can try the defaults at first.

To enter software preferences:

1. Run **Manager**, **Report** or **Schedule**.
2. Pull down the **Options** menu and click **Preferences...**.





Click to display the default entries.

3. Check or uncheck the various options.

   Select **Basic Edition**, **Advanced Edition** or **Enterprise Edition** depending on the Infinity features you need. You can select a different edition at any time.

   Choose **Basic Edition** if you want basic functionality and you don't need any added features (or the extra menus and screens they require).

   Advanced Edition includes everything in the **Basic Edition** with the added ability to save reports in .pdf and .html formats, Export, Inventory and the Reconciliation report.

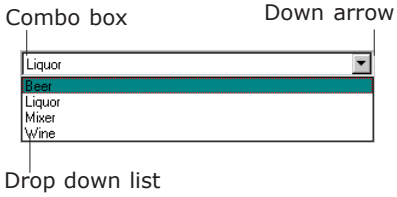
   Enterprise Edition includes everything in the **Advanced Edition** with the added ability to export in Excel© format, Import/Export prices and portions and design Column Selection reports and exports.

   Check **Suppress Confirmations** if you don't want to see typical confirmation questions for software tasks. Confirmation questions usually ask if you really want to do the operation ("Are you sure you want to delete X?").

Click the **Show Hidden Messages** button to see confirmation screens you've previously asked not to see. For example, when you confirm overwriting current data to import prices and portions, you can specify "Do not show this message again". If you later decide you need the confirmation message, click **Show Hidden Messages**.

Check **Show PLUs** to see a PLU column on the **Modify Prices and Portions** screen. (You won't see this option if you've installed Interface software or enabled the Advanced or Enterprise edition, since PLUs are always shown in these cases.)

Check **Enter Key=Default Button** to use the Enter key as a shortcut to clicking **OK** (or whatever button is the default on the screen). Uncheck this option to use the Enter key as a Tab key (which moves focus from one control to another).



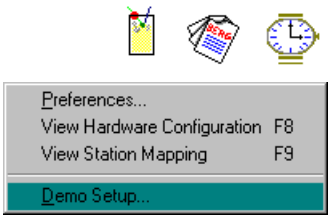
Check **Auto Drop down** to automatically display drop down lists on combo boxes. Uncheck this option to pull down the list with the down arrow.

Select Entire Text specifies whether the entire text in a text entry field is automatically selected when you first enter the field. You can still de-select parts of the text after you enter the field even if you select this option.

4. Click **OK** to save your changes and exit or click **Cancel** to exit without saving changes.

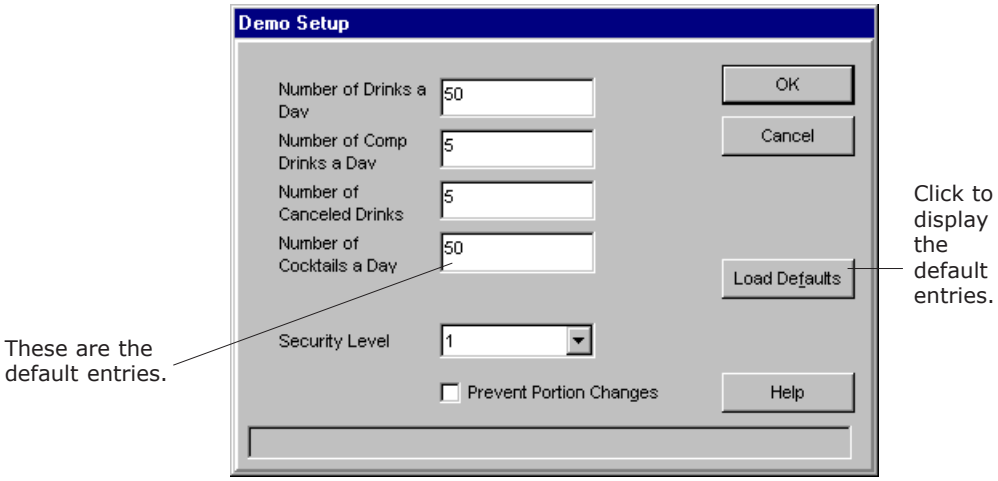
Infinity Demo Version Setup

If you are installing a demo version of **Infinity**, you can set it up to simulate the sales data of an actual system even though you have no **Infinity** hardware connected.



To set up a demo version:

1. Run a DEMO version of **Manager**, **Report** or **Schedule**.
2. Pull down the **Options** menu and click **Demo Setup...**.
3. Enter your choices in each entry field on the **Demo Setup** screen.



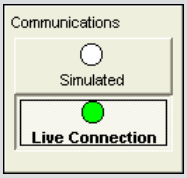
4. Click **OK** to save your changes and exit or click **Cancel** to exit without saving changes.

Notes

- When you install a demo version of **Infinity**, you'll be prompted to load a sample database. Click **Yes** to install the database.
- You'll also be prompted to install **Interface** software if you're installing a new database. Click **Yes** to install Interface. If you're installing a demo version on top of an existing database, you won't be prompted about **Interface**. The **Interface** status of the existing database is retained.

Live Connection

You can also connect one ECU to a demo version of Infinity. Select **Live Connection** on the **Communications** toggle (which appears on the main **Manager** screen).



Select **Simulated** if you're running a demo version without any ECUs connected.

You specify which ECU number is connected during the installation of a demo version of Infinity.

Number of Drinks a Day

Enter the approximate number of drinks per brand for the software to simulate. A random factor is included so the number will not be exactly the same each time.

Number of Comp Drinks a Day

Enter the approximate number of comp drinks per brand for the software to simulate. Enter 0 if you don't want any to appear.

Number of Canceled Drinks a Day

Enter the approximate number of canceled drinks per brand for the software to simulate. Enter 0 if you don't want any to appear.

Number of Cocktails a Day

Enter the approximate number of each cocktail for the software to simulate. Enter 0 if you don't want any to appear.

Security Level

Enter the security level you want to demonstrate on the software. (You can also show security levels by creating fictitious users and switching between them.)

Prevent Portion Changes

Check this option to simulate a portion lockout jumper (no portion size changes are allowed).

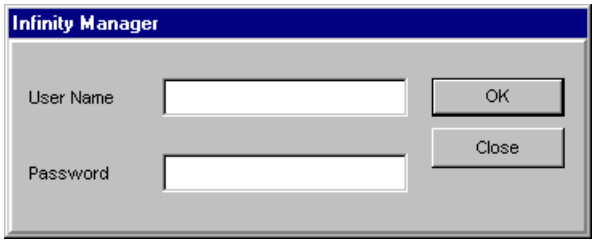
Run Infinity Software with Password Protection

If you enable passwords when you set configuration options for Infinity software, no one can run the software without entering a valid user name and password. The security level defined for the user determines which features of the software can be accessed.

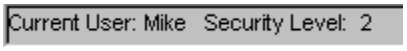
■ To run Infinity software with password protection:

1. Follow the steps outlined in *Run Infinity Software* in this section.

   The password screen appears.



2. Type a registered **User Name**.
3. Type a registered **Password**.
4. Click **OK**.



   The status bar at the bottom of the **Manager**, **Report** or **Schedule** program displays the name of the user and the security level.

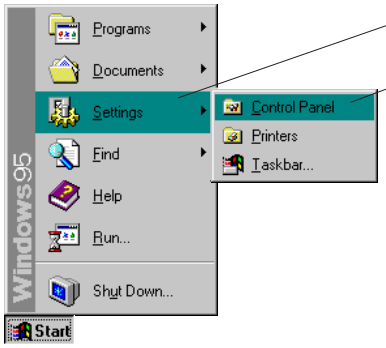
   If a registered user tries to perform software tasks not included in the displayed security level, an error message appears and the particular software function is disabled.

   If a user enters an invalid user name or password, an error message appears and access to the software is denied.

Uninstall Infinity Software

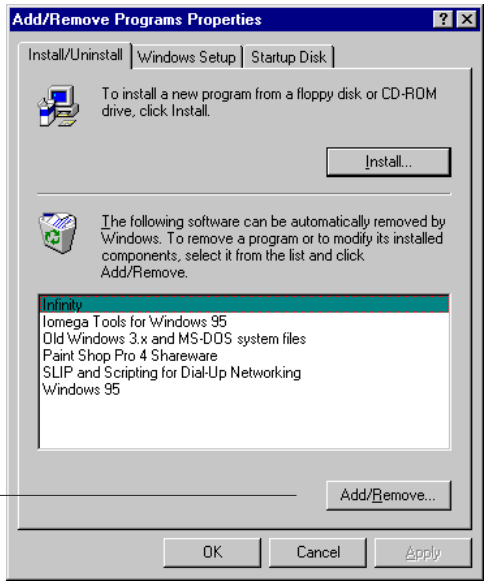
You can uninstall **Infinity** software using Windows commands.

To uninstall Infinity software:



1. Click **Start** and point to **Settings**.
2. Click **Control Panel**.
3. Click **Add/Remove Programs**.

4. Select **Infinity** from a list of programs you can remove from your computer. Click **Add/Remove...** .


Add/Remove Programs Properties
Install/Uninstall
Windows Setup
Startup Disk
To install a new program from a floppy disk or CD-ROM drive, click Install.
Install...
The following software can be automatically removed by Windows. To remove a program or to modify its installed components, select it from the list and click Add/Remove.
Infinity
Iomega Tools for Windows 95
Old Windows 3.x and MS-DOS system files
Paint Shop Pro 4 Shareware
SLIP and Scripting for Dial-Up Networking
Windows 95
Add/Remove...
OK
Cancel
Apply

5. Click **OK** to confirm **Infinity** deletion.

SECTION 5

Configuration Options

Configuration options include security options, data storage and display options and country options (units of measure). These options are entered at the time of software installation and can be modified as the need arises. This section provides help with the following tasks:

Access Configuration Options 5-2
Register New Users 5-4
Modify User Information 5-6
Unregister Users 5-8
Enable/Disable User Passwords 5-10
Security Level List 5-12
Security Level Functions 5-14
Enter Data Storage and Display Options 5-16
Enter Unit of Measure and Cost Format 5-18
Enable Features 5-19

Access Configuration Options

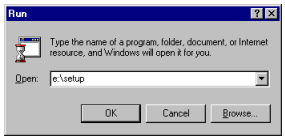
Berg distributes **Infinity** configuration software on disks to provide protected access to these options. Once the disks are used to enter configuration options, they should be locked away to prevent unwanted changes to your **Infinity** configuration.

■ To access configuration options during software installation:

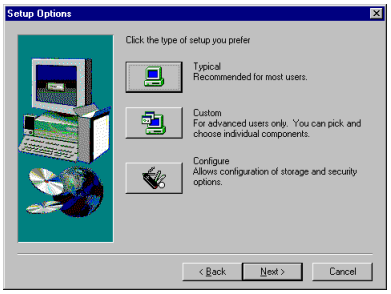
1. Complete the **Infinity** installation process. The **Configuration** screen appears at the end of the installation process. If you're already viewing that screen, see the remaining tasks in this section for help entering configuration options. If you're not viewing that screen, see the *Software Installation* section for help installing **Infinity**.

■ To access configuration options any time after software installation:

1. Insert the **Infinity** CD in a CD drive.
2. If the setup program doesn't automatically start, click **Start**. Click **Run**.Type **e:\setup** (where **e** is the CD drive letter), and click **OK**.

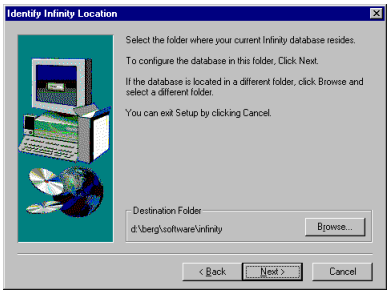


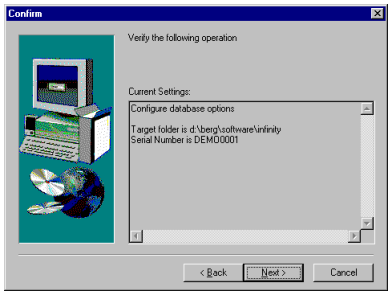
3. Follow the instructions on your screen. Click **Next** to continue through the setup process or **Back** to return to a previous screen. Click **Cancel** to stop the setup process.



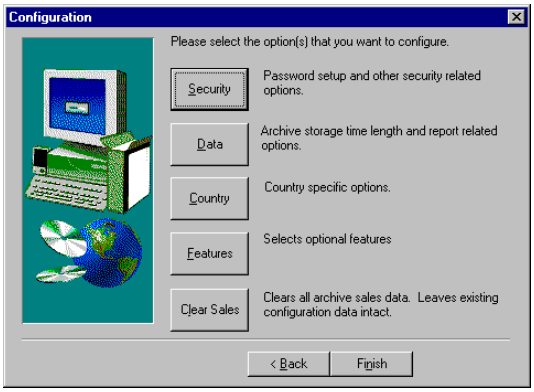
4. Click **Configure** in the Setup Options screen.

5. Click **Next** to accept the path of the database. To select a different path click **Browse**.


Identify Infinity Location
Select the folder where your current Infinity database resides.
To configure the database in this folder, Click Next.
If the database is located in a different folder, click Browse and select a different folder.
You can exit Setup by clicking Cancel.
Destination Folder
d:\berg\software\infinity
Browse...
< Back
Next >
Cancel



6. Click **Next** to verify the operation.



The **Configuration** screen appears. See the remaining tasks in this section for help entering configuration options.

7. Click **Finish** after you've entered all your configuration options to exit the setup process and return to Windows.

8. Remove the **Infinity** CD from the CD drive.

Note

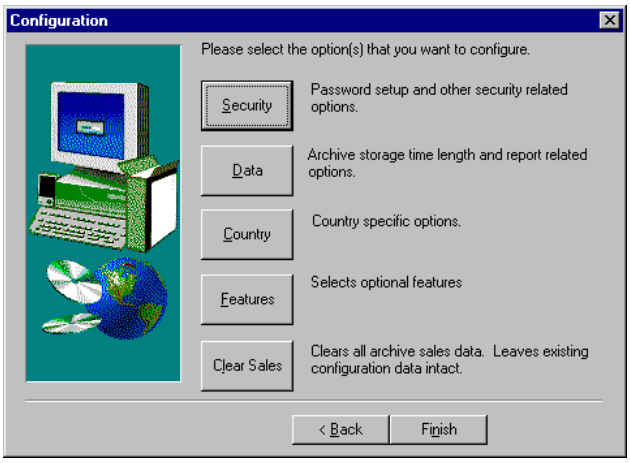
- For help with the Clear Sales procedure see *Clear Sales from the Database* in the *Database Management* section.

Register New Users

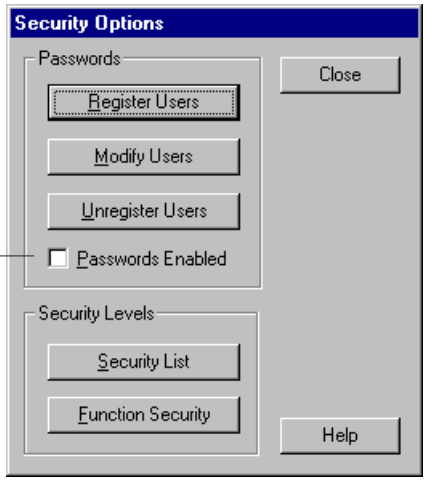
Infinity offers protected access to the software through user registration, passwords and security levels. Security is maintained by allowing security option changes only from the **Infinity** disks with the correct serial number. (These disks should be locked away when not in use.) You can register new users at any time with the correct disk. You can also choose to enable or disable password protection. See *Enable/Disable Passwords* in this section.

To register new users:

1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)

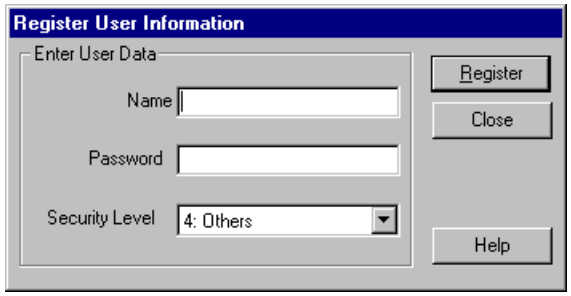


2. Click **Security**.



If you don't check **Passwords Enabled**, your registered users list does not protect access to the software.

3. Click **Register Users**.



4. Type a user name in the **Name** field up to 16 characters long. The user name is case sensitive; that is, upper and lower case letters must be entered exactly as the user will enter them. If you make a mistake, backspace or delete to change it.

5. Type a password in the **Password** field up to 14 characters long. The password is also case sensitive. You won't be able to read the password on the screen. If you make a mistake, backspace or delete to change it.

6. Select a **Security Level** for the user (see sidebar).

7. Click **Register** to save the name, password and security level for this user.

8. Click **OK** to confirm the registration.

9. Repeat steps 4-8 for each new user you want to register.

10. Click **Close** to exit the screen and return to the **Security Options** screen.

Infinity Security Levels

- You can customize the number and names of your security levels (or use the Berg defaults). See *Security Level List* in this section.
- You can customize the **Infinity** functions accessible on each security level (or use the Berg defaults). See *Security Level Functions* in this section.

Note

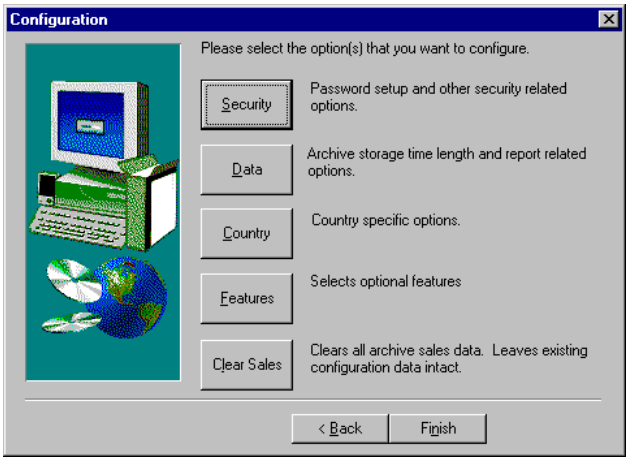
❑ The Dealer should be included in the registered users list to have access to the system.

Modify User Information

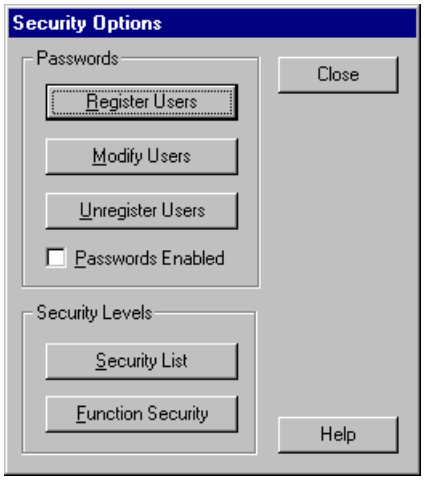
If you need to change a registered user's password or security level, use this procedure. If you want to change a registered user's name, first unregister the user and then register the user again with the correct name.

■ To modify user information:

1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)



2. Click **Security**.



3. Click **Modify Users**.

4. Select the user name you want to modify from the drop down list in the **Name** field.
5. Type in a new password in the **Password** field if you want to change it.
6. Select a new **Security Level** for the user if you want to change the level.
7. Click **Save**.

8. Click **OK** to confirm the save.
9. Click **Close** to exit the screen and return to the **Security Options** screen.

Infinity Security Levels

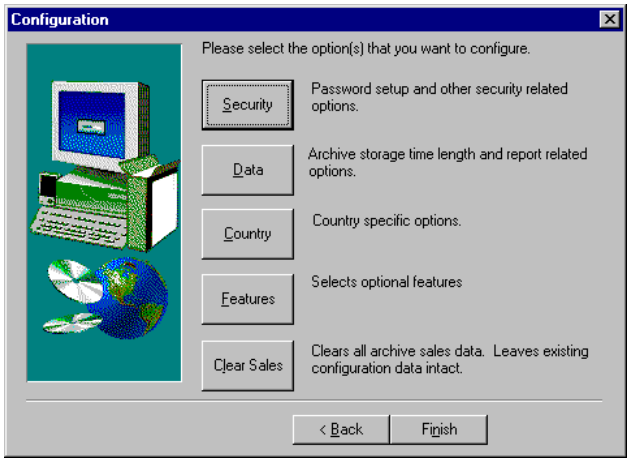
- You can customize the number and names of your security levels (or use the Berg defaults). See *Security Level List* in this section.
- You can customize the **Infinity** functions accessible on each security level (or use the Berg defaults). See *Security Level Functions* in this section.

Unregister Users

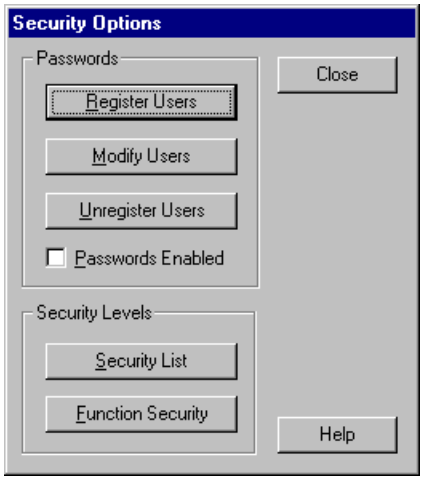
You can remove registered users from the list and prevent their access to **Infinity** software.

To unregister users:

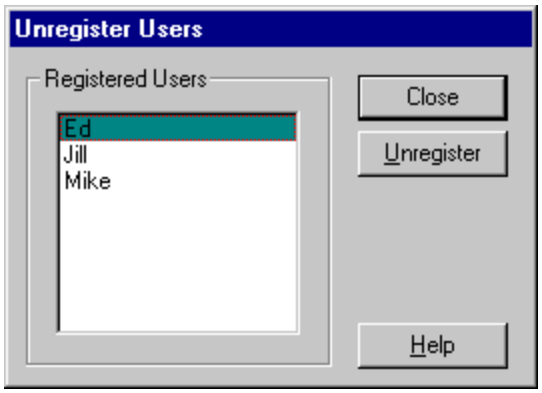
1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)



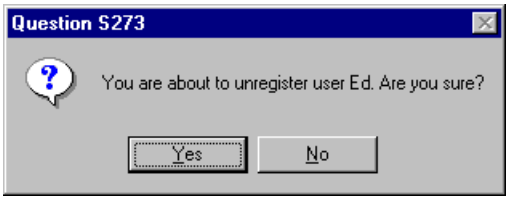
2. Click **Security**.



3. Click **Unregister Users**.



4. Select the user name you want to delete from the **Registered Users** list.
5. Click **Unregister** to delete the user from the list.



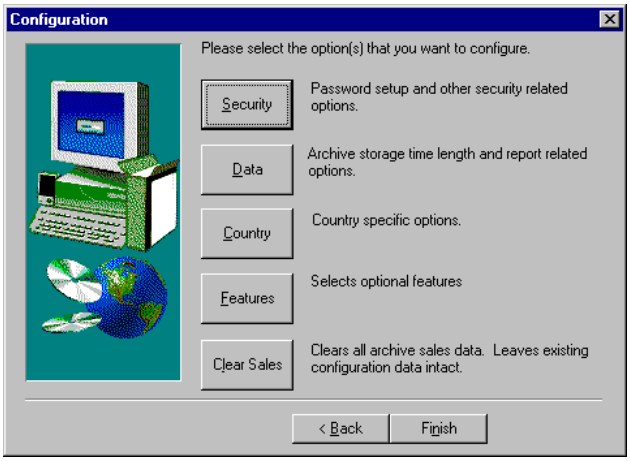
6. Click **Yes** to confirm the deletion.
7. Click **Close** to exit the screen and return to the **Security Options** screen.

Enable/Disable User Passwords

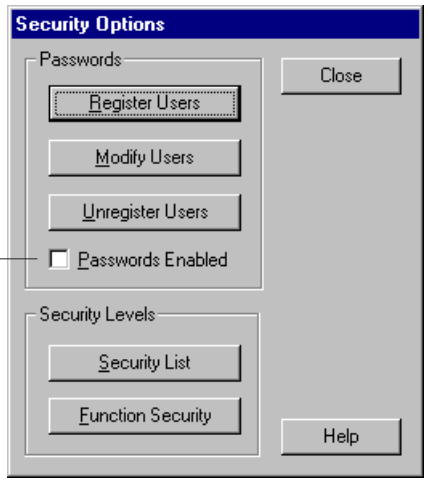
You can turn password protection on or off to control access to **Infinity** software and data. Disabling passwords does not delete any registered users. It simply disables protected entry to the system and lets anyone use the software.

■ To enable or disable user passwords:

1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)



2. Click **Security**.



3. Check **Passwords Enabled** if you want password protection for the software. Uncheck it to disable password protection.

4. Click **Close** to exit the screen and return to the **Security Options** screen.

Note

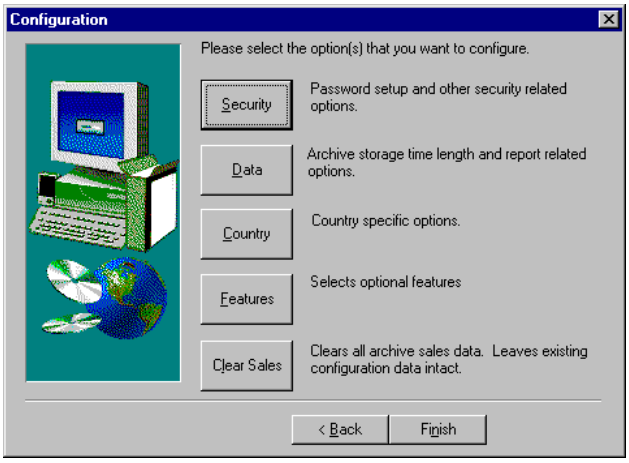
- If passwords are enabled you must register at least one user.

Security Level List

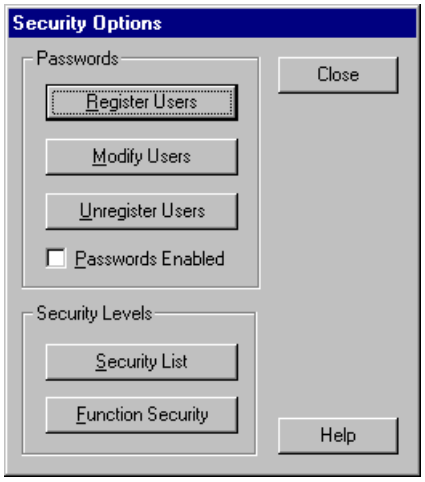
You can customize the number of security levels and the names of your security levels using the Security List function. You can define between four and eight different security levels with unique names for each level. To customize which **Infinity** functions are accessible at each security level see *Security Level Functions* in this section.

■ To change the security levels on the security list:

1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)



2. Click **Security**.



3. Click **Security List**.

4. **To add new security levels or rename current levels:**

   Type the correct name for each security level number. (Highlight and delete any names you're replacing.)

   Number 1 is the highest security clearance and 8 is the lowest. You must define at least 4 security levels using the numbers 1-4. All levels must be consecutive (you can't skip a number). Each name can be up to 19 characters.

Defaults

Click **Defaults** to use these default security levels:

1. Dealer/Owner
2. Senior Management
3. Junior Management
4. Others

5. **To delete a current security level:**

   Highlight and delete the security level name.

   All levels must be consecutive so you can't delete any but the lowest level(s). Any functions or users assigned to a deleted security level will be reassigned to the lowest available security level.

6. Click **OK** to save your changes and return to the **Security Options** screen.

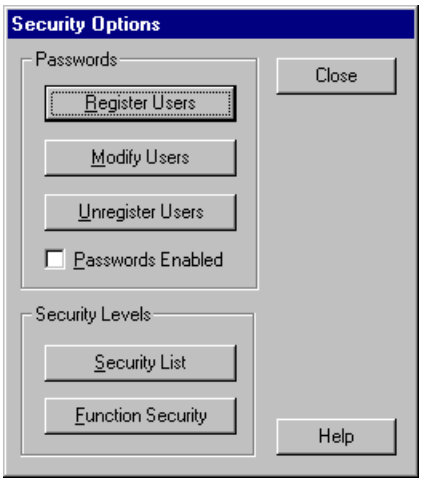
Security Level Functions

You can customize which **Infinity** functions are accessible at each of your security levels. To customize the number and names of your security levels see *Security Level List* in this section.

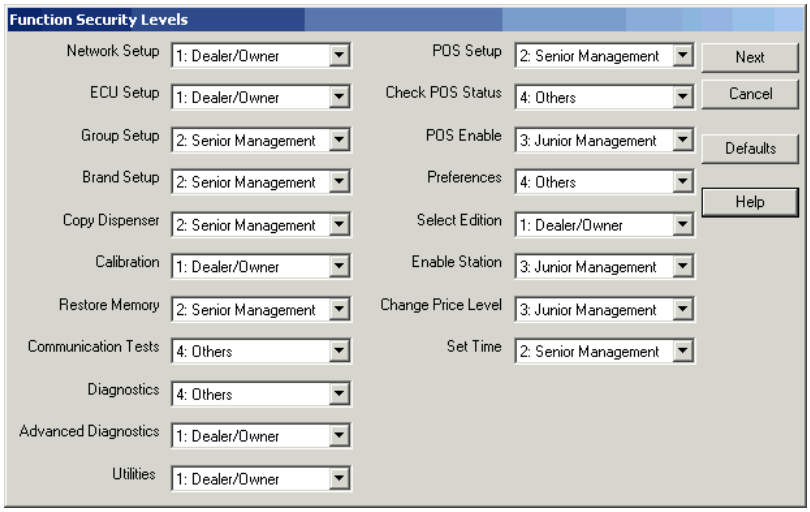
■ To change the functions assigned to each security level:

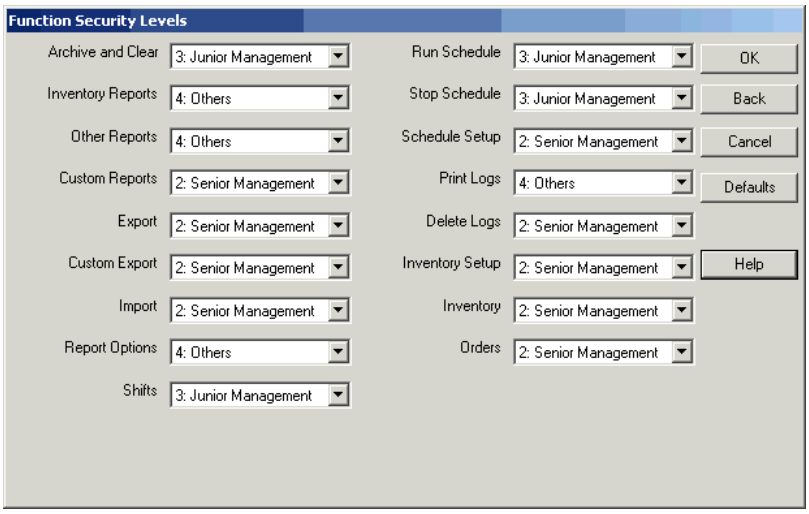
1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)

2. Click **Security**.



3. Click **Function Security**.





4. Using the drop-down menus, select the security level you want for each function.

   Use the lowest numbered level for your most restricted functions.

5. Use the **Next** button or the **Back** button to move between the two function screens.

6. Click **OK** to save your changes and return to the **Security Options** screen.

   Click **Defaults** to see these Berg security levels assigned to each function.

FUNCTION	LEVEL
Archive & Clear	3
Inventory Reports	4
Other Reports	4
Custom Reports	2
Export	2
Custom Export	2
Report Options	4
Shifts	3
Run Schedule	3
Stop Schedule	3
Schedule Setup	2
Print Logs	4
Delete Logs	2
Inventory Setup	2

FUNCTION	LEVEL
Inventory	2
Orders	2
Network Setup	1
ECU Setup	1
Group Setup	2
Brand Setup	2
Copy Dispenser	2
Calibration	1
Restore Mem	2
Communication Tests	4
Diagnostics	4
Advanced Diagnostics	1

FUNCTION	LEVEL
Utilities	1
POS Setup	2
Check POS Status	4
POS Enable	3
Preferences	4
Enable Station	3
Change Price Level	3
Set Time	2
Select Edition	1

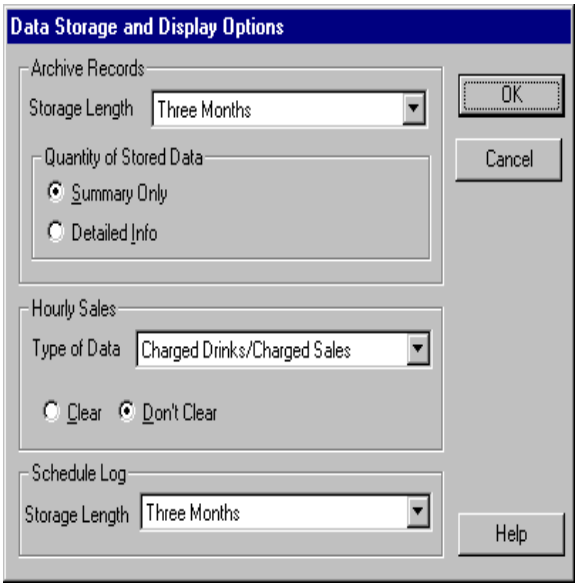
Enter Data Storage and Display Options

The options for data storage and display include length of time to store sales records, the level of detail saved in these records, the type of data stored for hourly sales reports and the schedule log storage length.

■ To enter data storage and display options:

1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)

2. Click **Data**.



3. Select the archive record **Storage Length** from the drop down list. Choose from one day, one week, one, three, six or twelve months, forever or none (do not save any records).

   Any sales data older than the specified time is cleared from the computer when you run a Clear Sales (Z) report. If you plan to archive and clear sales at regular intervals, specify a **Storage Length** at least as long as that interval. The longer the storage length, the more disk space it requires. The default storage length is three months.

4. Select the **Quantity of Stored Data** stored in the archive records.

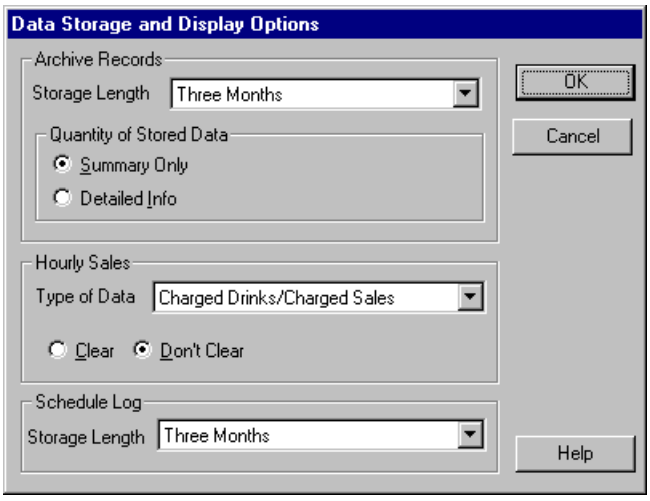
   Summary Only saves the amount of sales data found in summary reports and takes up less disk space. This is the default.

   Detailed Info saves the amount of sales data found in detailed reports.

Archive Records

- Archive records for a specific date are only created at the computer when you archive and clear sales (Z) on that date.
- The archive record storage length is the amount of time the computer keeps archive records. This determines what data is available for archive reports. If your storage length is 3 months, you won't be able to run **Infinity** reports on any data further back than 3 months.

If **Detailed Info** is not selected, you can't run a Detailed Sales (X3) report on archive data (you can only run it on current or most recent archive data).



5. Select the **Type of Data** stored for hourly sales reports from the drop down list. If you change this option for an existing installation, you must do a restore station memory at the ECUs.

   The ECUs store hourly sales data for the preceding 48 hours of sales activity. You can choose the **Type of Data** for the ECU to store. Choose from these combinations: Charged Drinks/Charged Sales, Charged Drinks/Comp Drinks, Comp Drinks/Comp Sales, Charged + Comp Drinks/Charged Sales. The default is Charged Drinks/Charged Sales. (See *Glossary of Report Terms* and *Hourly Sales (X4) Report* in the *Sample Reports* section.)

6. Select **Clear** to delete hourly sales data from the ECUs after a Z report or select **Don't Clear** to keep hourly sales data after a Z report. The default is **Don't Clear**.

7. Select the schedule log **Storage Length** from the drop down list.

   The **Schedule Log** is a running history of all events the schedule program attempts. It can grow to be quite large, so you should delete it as often as you plan to review it. Choose from one day, one week, one, three, six or twelve months or forever. The default is three months.

8. Click **OK** to save your entries and exit the screen or click **Cancel** to exit without saving.

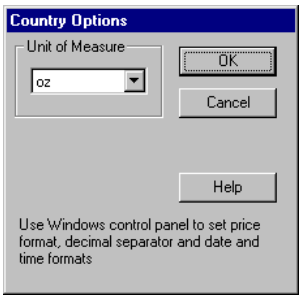
Enter Unit of Measure

The unit of measure is called a "country" option because usually it is the country you live in that determines how you set this option.

To enter unit of measure:

1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)

2. Click **Country**.



3. Select the **Unit of Measure** for calculating and displaying fluid volumes. Choose from ounces (oz), milliliters (ml), cubic centimeters (cc), centiliters (cl) or liters (l). You can't change the unit of measure once you've set up any ECUs.

4. Click **OK** to save your entries and exit the screen or click **Cancel** to exit without saving.

Notes

- The format of prices you enter for each portion size in **Infinity** is the format specified for currency in your Windows operating system.
- **Infinity** also uses the operating system's Date and Time formats.

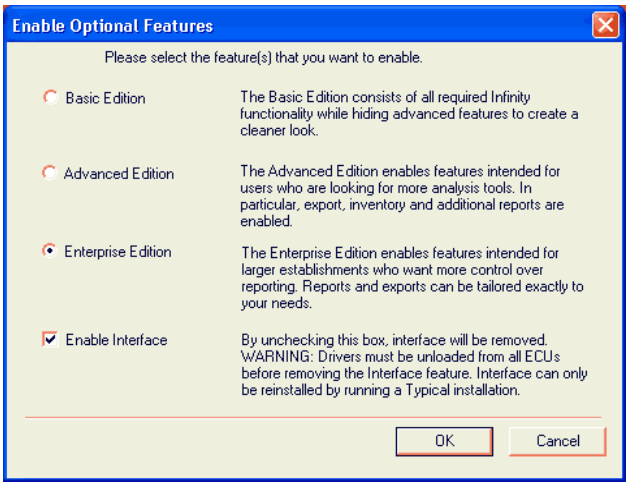
Enable Features

You enable certain Infinity features by selecting which edition of Infinity you'd like to run.

To enable features:

1. Access the **Configuration** screen. (See *Access Configuration Options* in this section.)

2. Click **Features**.


Enable Optional Features
Please select the feature(s) that you want to enable.
Basic Edition
The Basic Edition consists of all required Infinity functionality while hiding advanced features to create a cleaner look.
Advanced Edition
The Advanced Edition enables features intended for users who are looking for more analysis tools. In particular, export, inventory and additional reports are enabled.
Enterprise Edition
The Enterprise Edition enables features intended for larger establishments who want more control over reporting. Reports and exports can be tailored exactly to your needs.
Enable Interface
By unchecking this box, interface will be removed. WARNING: Drivers must be unloaded from all ECUs before removing the Interface feature. Interface can only be reinstalled by running a Typical installation.
OK
Cancel

Editions

You can select a different edition at any time. See **Preferences...** under **Options** on the main menu of the **Manager**, **Report** or **Schedule** programs.

3. Select **Basic Edition**, **Advanced Edition** or **Enterprise Edition** depending on the Infinity features you need.

   Choose **Basic Edition** if you want basic functionality and you don't need any added features (or the extra menus and screens they require).

   Advanced Edition includes everything in the **Basic Edition** with the added ability to save reports in .pdf and .html formats, Export, Inventory and the Reconciliation report.

   Enterprise Edition includes everything in the **Advanced Edition** with the added ability to export in Excel© format, Import/Export prices and portions and design Column Selection reports and exports.

Enable Interface

Use this checkbox only to uninstall existing Interface software. To enable Interface software, you must install it.

4. Click **OK** to save your entry and return to the **Configuration** screen.

SECTION 6

Brand Wizard

The Brand Wizard loads the Berg brand list to your computer. In the process of loading the list, the Wizard gives you a chance to specify how many different price levels and portion sizes you'll need and a place to enter default prices and portions for each product type. The Wizard appears the first time you run **Manager** at a new installation or you can run it any time from the **Manager** menu.

Brand Wizard for New Installations 6-2

Run Brand Wizard from the Menu 6-8

Brand Wizard for New Installations

The Brand Wizard appears the first time you run **Manager**. The Wizard steps you through the process of loading Berg's brand list to your computer. It covers everything you need to do to set the number of price levels and sizes and the default prices and portions for each product type before you load the Berg brand list.

To use the Brand Wizard:

1. Run **Manager**.

Brand Wizard
Welcome to the Brand Wizard. This wizard allows you to perform the following tasks for each product type:
Set the number of price levels and sizes.
Set the default prices and portions.
Install the Berg default brand list.
The Brand Wizard can be run again at any time. Any changes made can be revised later.
Help
Cancel
Back
Next
Finish

The first screen lists the tasks you can perform with the Brand Wizard. Before the Wizard installs the Berg brand list, you'll need to check the number of sizes, price levels and default prices and portions for each product type and decide if you want to set your own defaults or use the Berg defaults.

Cancel

Click Cancel at any time to exit the Brand Wizard and not load the brand list.

2. Click **Next** to proceed to the next screen or click **Cancel** to exit the Wizard.

Back

Click **Back** to return to a previous screen.

You don't have to use the Brand Wizard. If you click **Cancel**, the Berg brand list is not loaded.

You can load the Berg brand list later using menu options. See *Run Brand Wizard from the Menu* in this section and *Load Initial Brand List* in the *Brands, Cocktails, Prices and Portions* section.

Product Types

Product types are the categories **Infinity** uses to organize the brand list.

Liquor includes brands (e.g., Jim Beam, Seagram's 7) that can be assigned to Laser or All-Bottle dispensers.

Cocktail includes names (e.g., Pina Colada, Screwdriver) that can be assigned to Laser gun buttons.

Beer includes brands (e.g., Budweiser, Heineken) that can only be assigned to TAP 1 dispensers.

Wine includes names (e.g., Merlot, Riesling) that can be assigned to any dispenser.

Mixer includes names (e.g., Grenadine, Tomato Juice) that can be assigned to any dispenser.

Other includes your own custom names that can be assigned to any dispenser.

This screen shows you the six product types in the Berg brand list.

3. Select the product type(s) you want to load and click **Next**.

   Any product type(s) you don't select won't be loaded.

   In the next steps, the Wizard gives you a chance to modify the number of sizes, price levels and default prices and portions for each product type you've selected.

You can specify the number of portion sizes and price levels, but you can't specify their designations. The minimum number is 1. The higher sizes and price levels are always the ones eliminated. (If you choose 2 price levels they will be A and B.)

4. Select the maximum number of portion sizes and price levels you want for the indicated product type and click **Next.**

   You're not defining portion sizes or price levels—you're just saying how many different portion sizes and price levels you'll need.

   (For the cocktail product type, select the maximum number of ingredients you want for a cocktail recipe.)

Load Defaults

If you want to use Berg's default number of sizes and price levels, click **Load Defaults**.

The Berg default sizes are 3 for Liquor, Wine, Mixers and Other, 4 for Beer and 5 ingredients for Cocktails. The Berg default price levels are 3 for all product types.

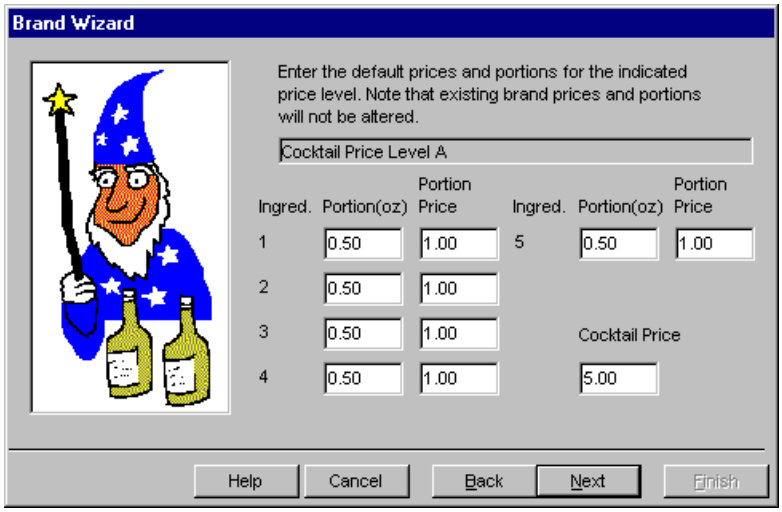
In this step of the Wizard, a new screen appears for each price level of the indicated product type.

5. To enter your own default prices and portions, type the correct **Portion** and **Price** for each **Size** listed and click **Next**.

   OR

   Click **Next** to accept the Berg default prices and portions displayed for the product type and price level.

   The number of different portion sizes and price levels you'll see is the number you specified in the previous step. You don't need to type a decimal if you're entering a whole number, e.g., type 6 for 6.00 oz, or 2 for $2.00.



Note that for cocktails you're entering default portion sizes and prices for each **Ingredient** in the cocktail in addition to a default **Cocktail Price**.

Default Prices and Portions

- Defaults are base prices and portions which are entered for each brand when the brand is added to the brand list.
- Each brand in the list has factory default prices and portions according to its product type. The Wizard lets you replace these defaults with your own. Setting your own defaults is useful when you have several brands within a product type with the same prices and portions.
- If you don't want to set your own default prices and portions, you can load the brand list with the factory defaults. You can always change the prices and portions for specific brands after the brand list is installed.
- When you click **Load Defaults** on the **Modify Prices and Portions** screen, you'll see the default prices and portions you define here.

6. Repeat steps 4 and 5 for each product type you selected to load. The Wizard displays the appropriate screen to change the number of sizes and price levels and the default prices and portions for each product type.

7. Select which product types from the Berg brand list you want to load to your computer and click **Next**.

This step gives you a chance to select which product types of the Berg brand list you want to load. (You may not need all product types.) Any brands you already have in your brand list are not affected by the new list. This step just loads the brand names. There's no harm in loading brand names and then not using them. You can delete any unused brands later.

If you choose not to load one or more product types in this step, any default prices and portions or number of sizes and price levels you've entered for product types in previous steps are still saved.

If you didn't select a particular product type at the start of the Wizard you won't be able to select it now. (Click **Back** if you want to get back to an earlier screen.)

Assign Brands to Dispensers

The Wizard only loads the brand names. You'll still need to assign specific brands to each of your dispensers.

Containers

- Containers are listed for each brand on the Usage report. The Wizard simply provides an easy way to assign the same container to all brands or to all brands of a product type. You can always assign a different container to any of your brands later on. Specifying a container for each brand is necessary if you're using Inventory.
- Specify the size and unit of measure for your containers in Container Setup.
- If you're upgrading from a previous **Infinity** release, any bottle sizes you defined in previous releases will be converted to containers. Please check all container sizes using Container Setup.

8. Select a container size for each product type and click **Next**.

Brand Wizard
The following changes were requested. Press Next to save these changes. Please be patient while the changes are being made.
Set the number of price levels and sizes.
Set the default prices and portions.
Install the Berg default brand list.
Help
Cancel
Back
Next
Finish

9. If you want to make changes to any previous steps in the Wizard, click **Back** to return to the appropriate screen.

   Click **Next** when you're ready to save any changes you've made to the number of price levels and sizes and to default prices and portions and to load the brand list for the product types you've selected.

   Wait while the Wizard loads the brand list.

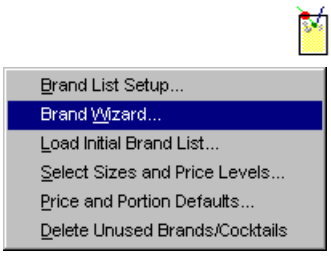
11. Click **Finish** to exit the Wizard.

Notes

- When a brand is added to the brand list its prices and portions are labeled with the default category name.
- If you want to enter prices and portions other than the defaults for a particular brand see *Brand Prices and Portions* in the Brands, Cocktails, Prices and Portions section.

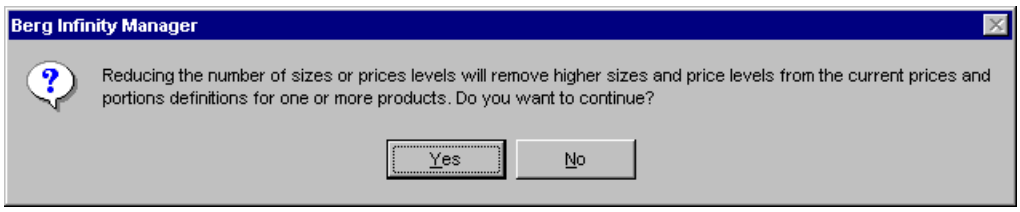
Run Brand Wizard From the Menu

You can run the Brand Wizard at any time from the **Pouring** menu of the **Manager** program. It's a convenient way to load the brand list and set your defaults in one operation. Your existing brands are not overwritten or changed by this process. You can also load the brand list or make changes to defaults without the Wizard. See *Load Initial Brand List, Select Sizes and Price Levels* and *Price and Portion Defaults* in the *Brands, Cocktails, Prices and Portions* section.



■ To run Brand Wizard from the menu:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Brand Wizard...**.
3. Follow the steps outlined in *Brand Wizard for New Installations* in this section.
4. If you reduce the number of portion sizes and price levels, a message will warn you the highest portion sizes and price levels are the ones that will be eliminated.


Berg Infinity Manager
Reducing the number of sizes or prices levels will remove higher sizes and price levels from the current prices and portions definitions for one or more products. Do you want to continue?
Yes
No

Click **Yes** to continue (and remove the higher sizes and price levels) or **No** to stop the process. If you eliminate previously defined higher prices and portions, the changes are sent to the ECUs.

OR

If you increase the number of portion sizes and price levels, a message reminds you that no prices and portions are affected by the change.

Click **OK** to continue the process.

Notes

- If you increase the number of portion sizes and price levels, remember to enter prices and portion sizes for the new sizes and price levels—they aren't automatically filled.
- Defining new default prices and portions doesn't change any brand's currently defined prices and portions.
- You can also set default prices and portions for a product type when you enter a brand's prices and portions and use the **Save as Default** button. See *Brand Prices and Portions* in this section.

SECTION 7

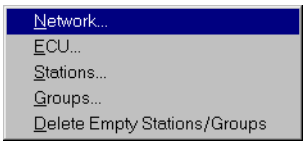
Network and ECU Setup

With **Infinity** software installed, you can set up the system components in the software. You begin with networks, which must be set up with a unique name before any communication between **Infinity** hardware and software can take place. You proceed by setting up each ECU and partition in the network, and then move on to arranging the ECUs in stations and groups for managing and reporting. As you set up your system, you can view a list of networks and ECUs using the View Hardware Configuration feature. This section provides help with the following tasks:

New Network Setup 7-2
Remote Network Options 7-4
Modify a Network 7-6
Rename a Network 7-8
Delete a Network 7-10
New ECU Setup 7-12
Enter Infinity ECU Options 7-14
Enter TAP 1 ECU Options 7-17
Enter 1544 Infinity ECU Options 7-22
Enter Laserita ECU Options 7-24
Modify an ECU 7-26
Delete an ECU 7-28
View Hardware Configuration 7-30

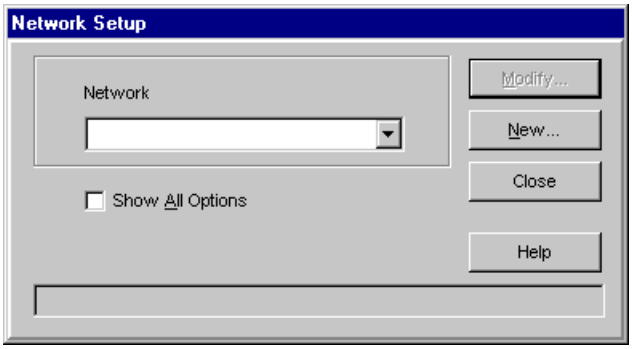
New Network Setup

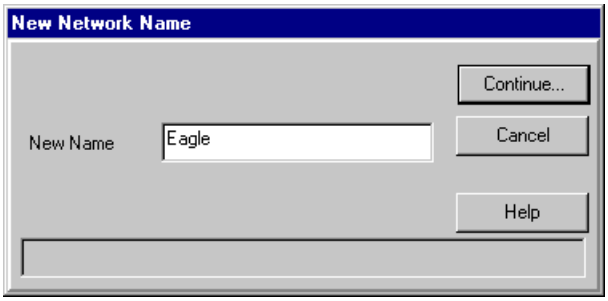
Before you can set up a network, you must determine its unique name, know the COM port number of the network connection and know the baud rate set at the ECUs' CPU board.



To set up a new network:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Network...**.

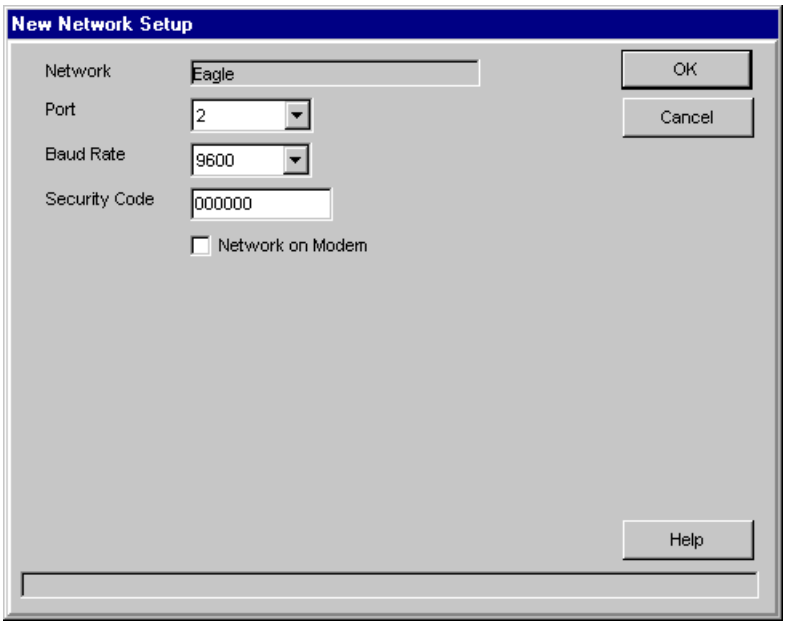




3. Click **New...**.
4. Type in the network's unique name in the **New Name** field. It can be up to 19 characters.
5. Click **Continue...** to proceed with setting up the network or click **Cancel** to stop setting up a network.

View Hardware Configuration

If you want to see a list of all the networks and ECUs you've set up, see *View Hardware Configuration* in this section.



6. Select the correct **Port** number for the network from the list. Port refers to the communication port at the computer used for the network connection. **Infinity** supports ports 1-36.

7. Select the correct **Baud Rate** for the computer/network communications. It must be the same baud rate set at the ECUs during hardware installation. If you are setting up a remote network the baud rate must also be supported by the modems.

8. Type in a 6 character **Security Code** for the network. The characters can be letters or numbers. The security code is optional and provides an extra level of security (particularly for modem communications).

9. If you are setting up a remote network, select **Network on Modem**. Additional entry fields appear. See *Remote Network Options* in this section for help with those fields.

   If you are setting up a local network, leave **Network on Modem** unchecked.

10. Click **OK** to save all your entries and exit the screen. Click **Cancel** to exit the screen without saving.

Note

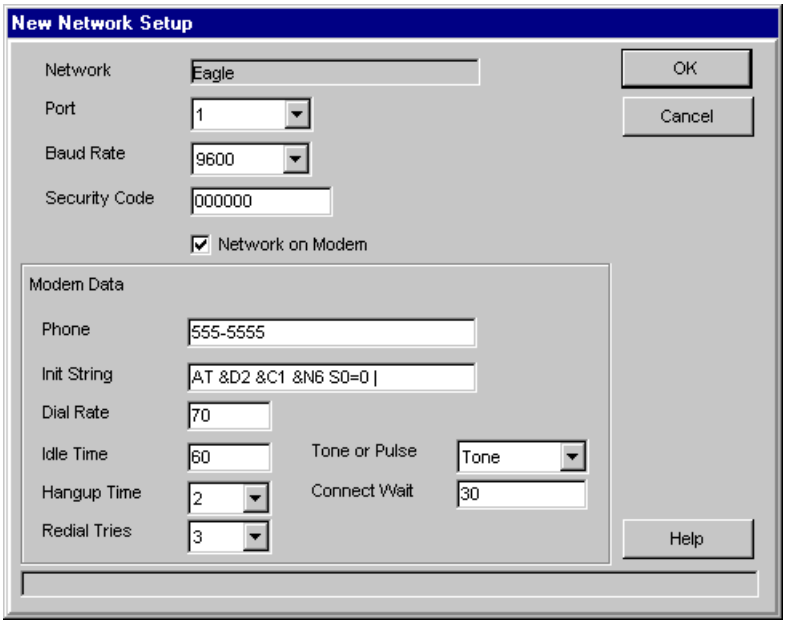
- After you set up a network you can use the **ECU...** shortcut button to access the **ECU Setup** screen. Select **Show All Options**, then click **ECU...**.

Remote Network Options

If you are setting up a remote network, you must enter the specific details of the modem communications on the **New Network Setup** screen. This task is a continuation of the *New Network Setup* task in this section.

■ To enter remote network options:

1. View the additional remote network options.

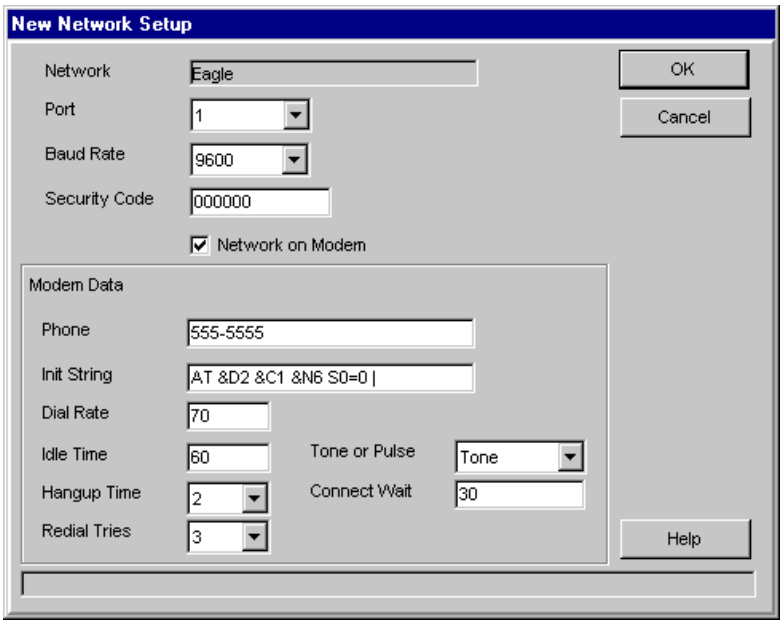


2. Type the exact phone number used to dial the remote modem in the **Phone** entry field.

3. Type the initialization string for the computer modem in the **Init String** field. The default (AT &D2 &C1 &N6 S0=0|) sets Data Terminal Relay and Carrier Detect to normal, turns off Auto Answer and forces the modem to use 9600 baud.

4. Type the millisecond duration of each tone in the computer modem's dial in the **Dial Rate** field. 70 is the default.

5. Type the approximate number of seconds (0 to 999) the computer modem waits (after a communication has occurred) before hanging up in the **Idle Time** field. Set to 0 for the modem to disconnect when you exit **Infinity** software or dial another remote network. The default is 60 seconds.



6. Select the number of seconds (2-9) the computer modem waits after hanging up before attempting any other modem operation in the **Hangup Time** field. The default is 2 seconds.

7. Select **Tone** or **Pulse** for the type of dialing used on the computer modem's telephone line.

8. Type the number of seconds (1-30) to wait for the remote modem to answer in the **Connect Wait** field. The default is 30 seconds.

9. Select the number of re-dials (1-9) if each succeeding attempt fails in the **Redial Tries** field. The default is 3 tries.

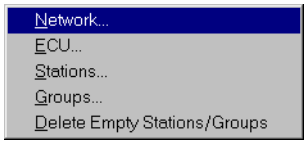
10. Click **OK** to save all your entries and exit the screen. Click **Cancel** to exit the screen without saving.

Note

- After you set up a network you can use the **ECU...** shortcut button to access the **ECU Setup** screen. Select **Show All Options**, then click **ECU...**.

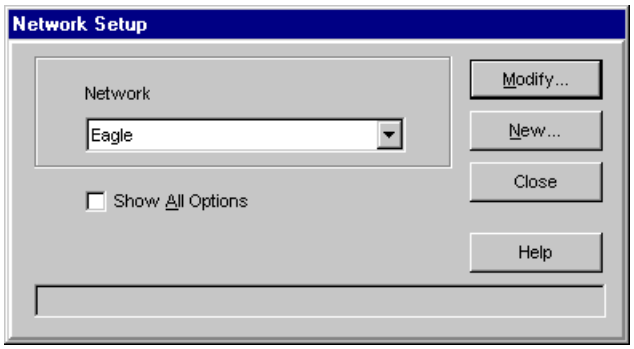
Modify a Network

You can make changes to existing network settings if necessary. Any network setting can be modified.

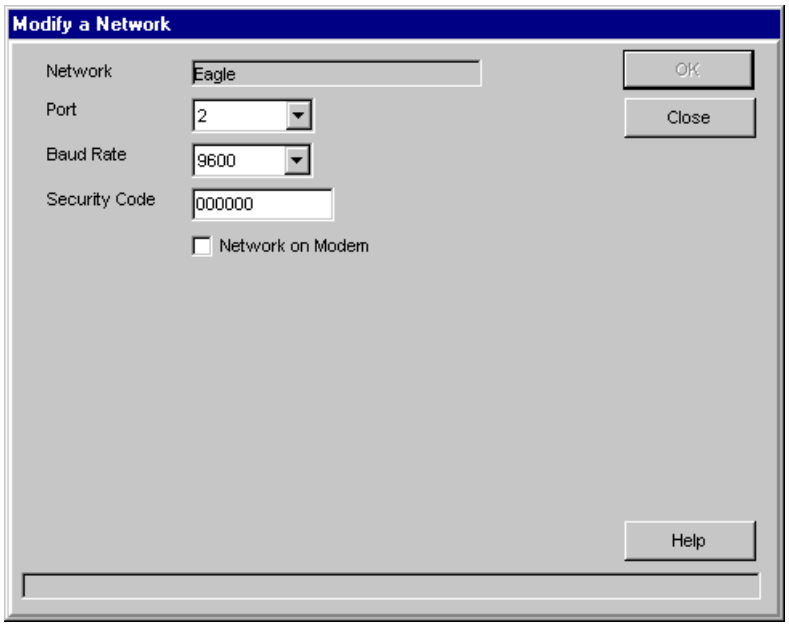


To modify a local or remote network:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Network...**.

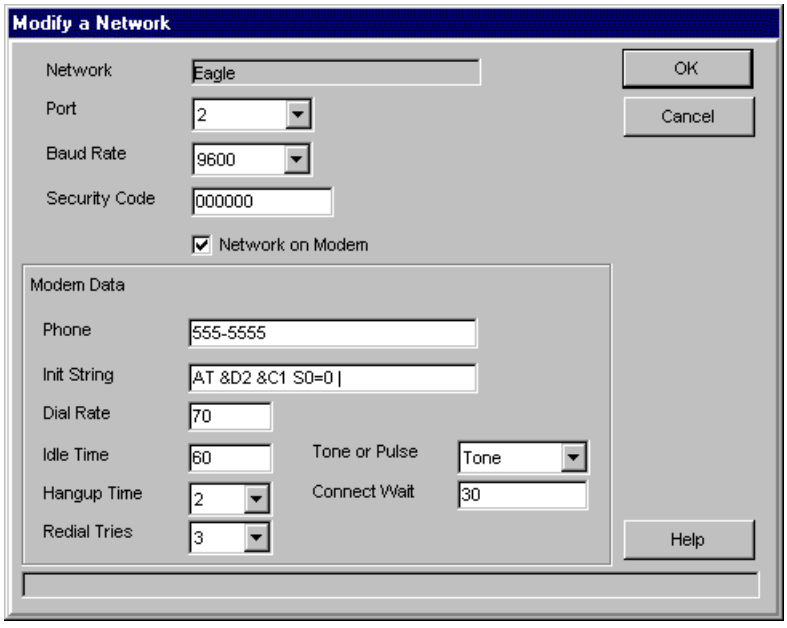


3. Select the name of the network you want to modify.
4. Click **Modify...**.
5. Select new entries for the network options you want to modify. If you need help with the options, see *New Network Setup* or *Remote Network Options* in this section. If you decide not to make any changes, click **Close** to exit the screen.
6. Click **OK** to save all your entries and exit the screen. Click **Cancel** to exit the screen without saving your modifications.
7. Click **Close** to exit the **Network Setup** screen.



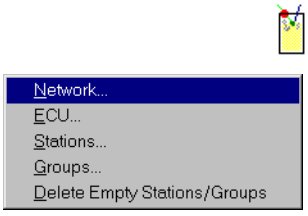
Entries that can be modified for a local network–see *New Network Setup* for help with these options.

Entries that can be modified for a remote network–see *Remote Network Options* for help with these options.



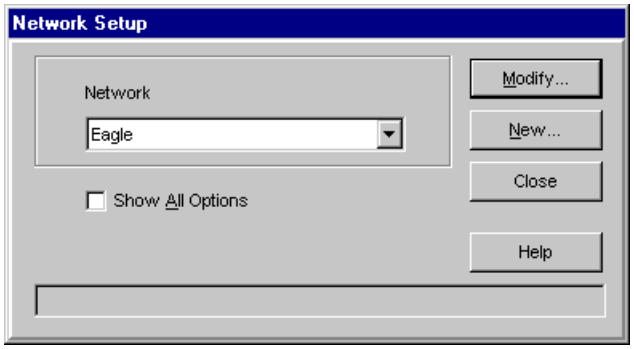
Rename a Network

If the only change you want to make to a network is its name, use this network setup feature. If you want to modify any of the network's settings, see *Modify a Local or Remote Network* in this section. You can rename a network at any time.

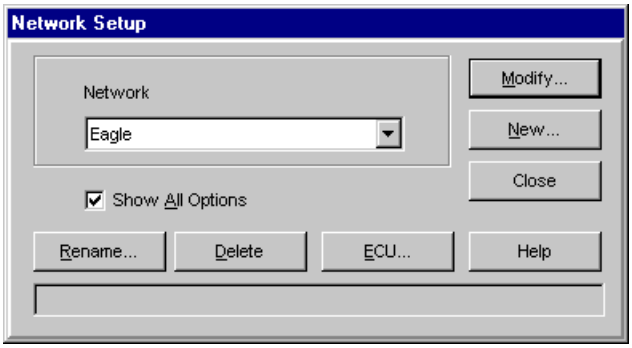


To rename a local or remote network:

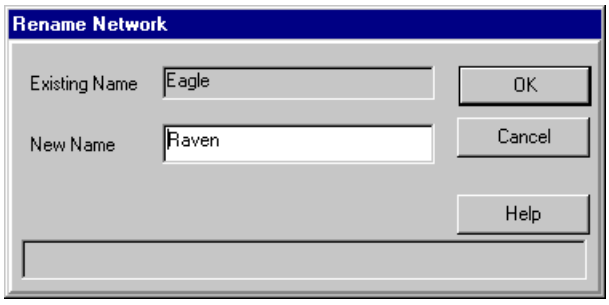
1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Network...**.



3. Select the name of the network you want to rename.
4. Click **Show All Options**.



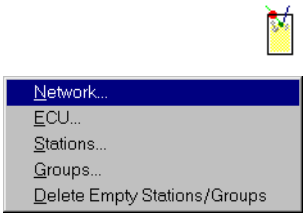
5. Click **Rename...**.



6. Type in a new unique name for the network in the **New Name** field. It can be up to 19 characters.
7. Click **OK** to save all your entries and exit the screen. Click **Cancel** to exit the screen without saving.
8. Click **Close** to exit the **Network Setup** screen.

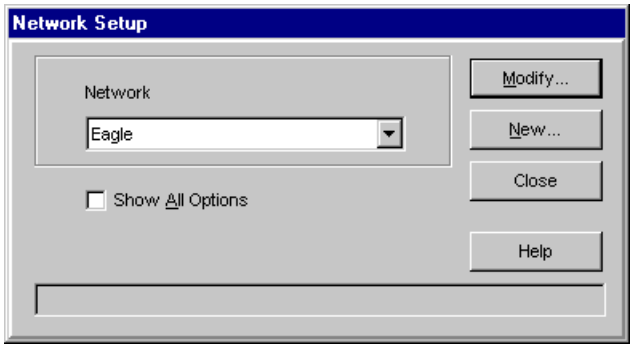
Delete a Network

You can delete a network if you need to. If you have ECUs set up in the network, deleting the network means you delete the ECUs you have set up also.

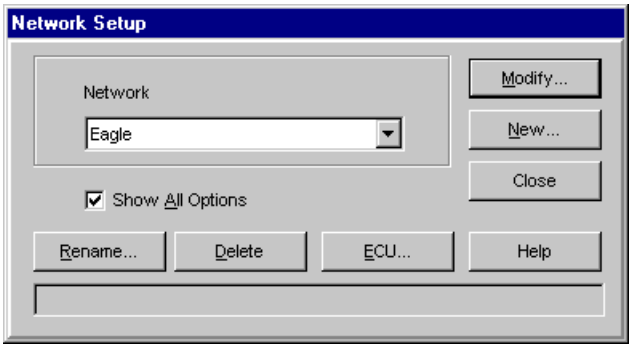


To delete a local or remote network:

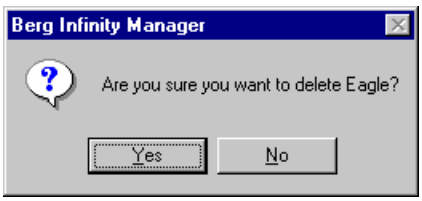
1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Network...**.



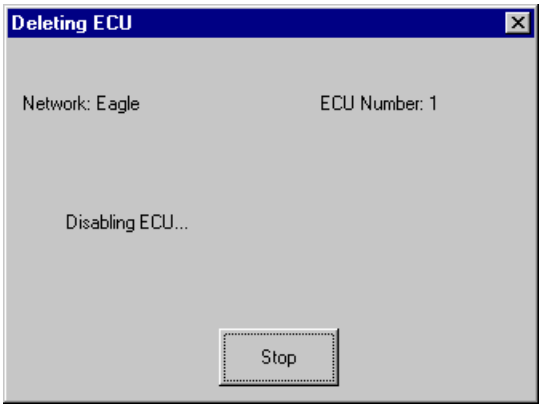
3. Select the name of the network you want to delete.



4. Click **Show All Options**.
5. Click **Delete**.



6. Click **Yes** to confirm the deletion.

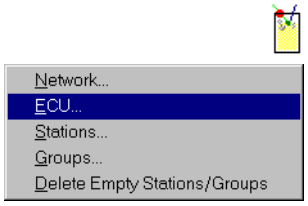


If you have ECUs set up in the network wait for the ECUs to be deleted also.

7. Click **Close** to exit the **Network Setup** screen.

New ECU Setup

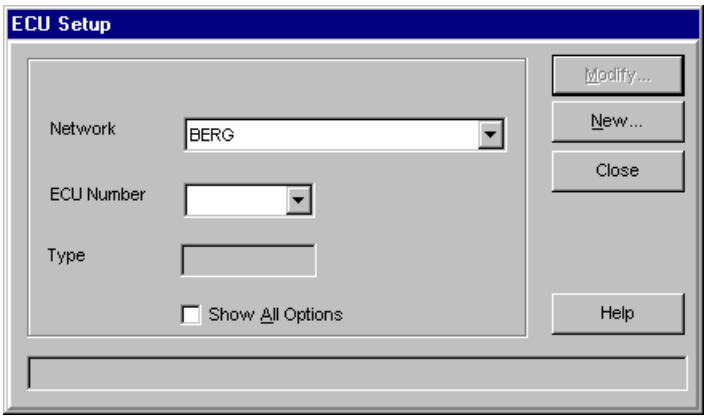
Once you've set up a network, you can set up the ECUs in the network. An ECU must be set up with a network name and a unique ECU number.



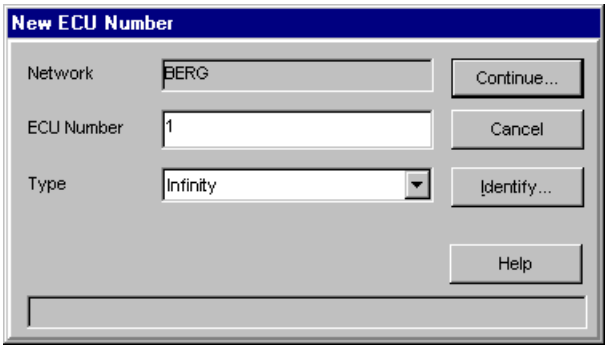
To set up a new ECU:

1. Access the **ECU Setup** screen with the shortcut button (**ECU...**) after setting up a network. OR

   Run **Manager**, pull down the **Equipment** menu, point to **Setup**, and Click **ECU...**.



2. Select the name of the **Network**.
3. Click **New...**.



4. Click **Identify...** to communicate with the network and determine the next available ECU.

   OR

   Type in the **ECU Number** and select the ECU **Type**.

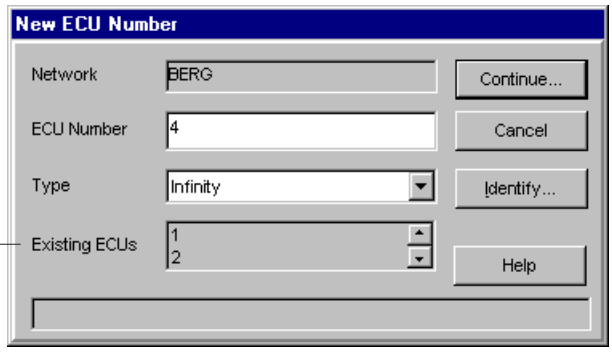
View Hardware Configuration

If you want to see a list of all the networks and ECUs you've set up and the stations to which the ECUs are assigned, see *View Hardware Configuration* in this section.

Identify...

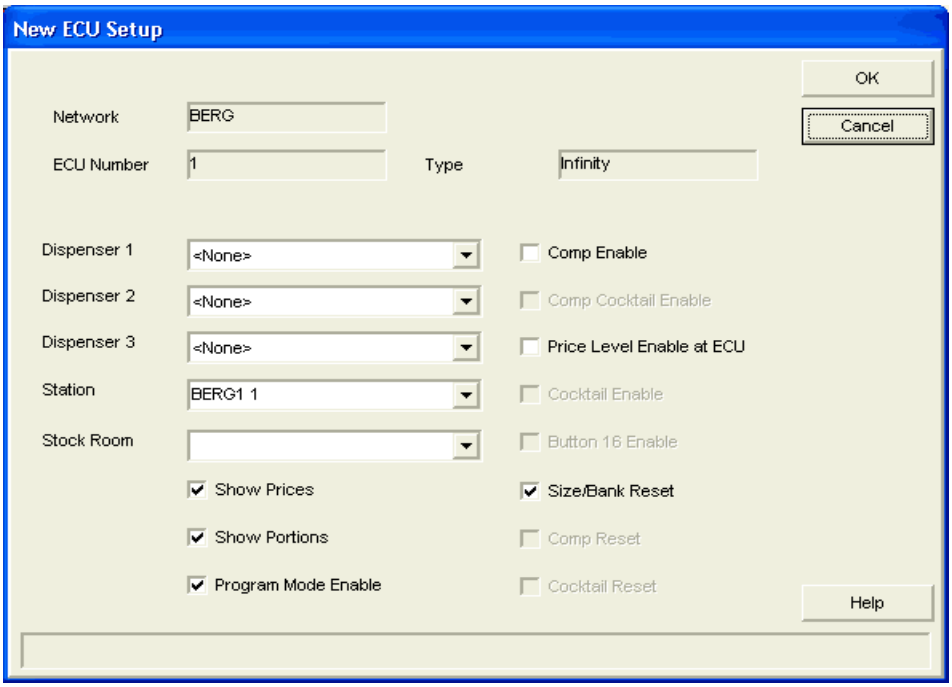
- You must be able to communicate with the ECUs on the network to use this feature.
- When you click **Identify...**, the next numbered ECU that has not been set up will be identified and displayed on the **New ECU Setup** screen.

Click the up or down arrow to view existing ECU numbers.



The numbers of any ECUs you've set up appear in the **Existing ECUs** field.

Click **Continue...** .



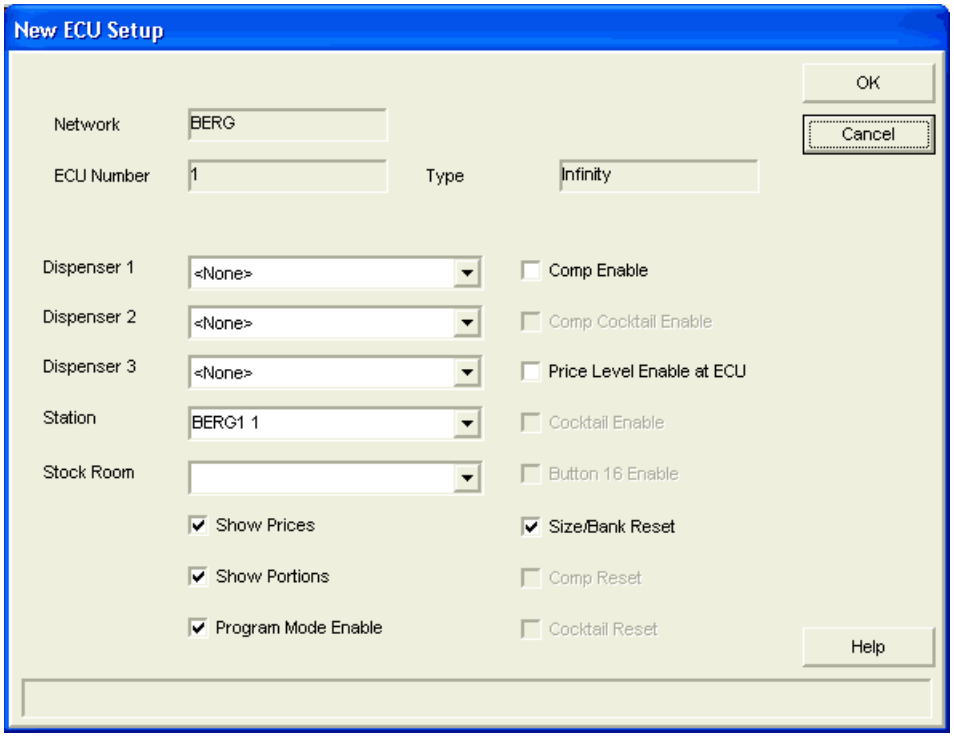
5. The New ECU Setup screen appears with specific setup options for the ECU type. See *Enter Infinity ECU Options* or *Enter TAP 1 ECU Options* or *Enter 1544 Infinity ECU Options* or *Enter Laserita ECU Options* in this section for help with entering the options.

Enter Infinity ECU Options

To set up an Infinity ECU, you must know the type of dispenser(s) connected to the ECU and which features you want to enable at the ECU. Use the *Getting Ready for Infinity Worksheet* if you haven't already determined how you want to set up the ECU.

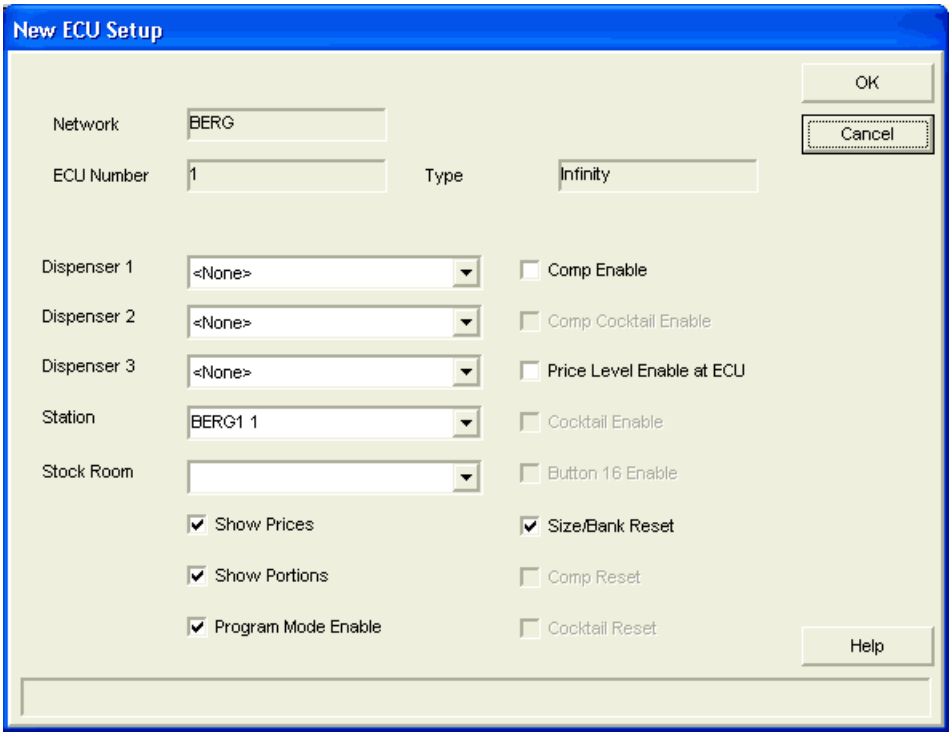
■ To enter Infinity ECU options:

1. Access the **New ECU Setup** screen. See *New ECU Setup* in this section.



2. Select a Laser dispenser for the **Dispenser 1** and **2** fields. If you only have one Laser dispenser, assign it to **Dispenser 1**.
3. Select an All-Bottle-7 or All-Bottle-ID dispenser for the **Dispenser 3** field.
4. Select a **Station** name. (See **Default Station Names** sidebar.)
5. Select a **Stock Room** (if you're using Inventory).

   This is the location from which the ECU is stocked. Each ECU must be assigned to one and only one stock room. You can specify separate stocking locations on your orders by creating as many stock rooms as you need. See *Stock Room Setup* in the *Inventory* section.



6. Select **Comp Enable** to enable complimentary pouring.
7. Select **Comp Cocktail** to enable complimentary cocktail pouring. (You have to select both **Comp Enable** and **Cocktail Enable** first.)
8. Select **Price Level Enable at ECU** to enable price level changes at the ECU. If you uncheck this option, price level changes can only be made at the computer.
9. Select **Cocktail Enable** to enable cocktail pouring at any Laser dispensers at the ECU.
10. Select **Button 16 Enable** to enable button 16 switching to cocktail mode. This option is only available for 16 brand Laser guns and reduces the number of button presses to pour a cocktail. It also reduces by one the number of brands that can be individually poured at the dispenser.
11. Select **Size/Bank Reset** to automatically reset the portion size to regular or the cocktail bank to regular after every pour.
12. Select **Comp Reset** to automatically reset to full price pouring after a complimentary pour.
13. Select **Cocktail Reset** to automatically reset to regular brand pouring after a cocktail pour.

(continued on next page)

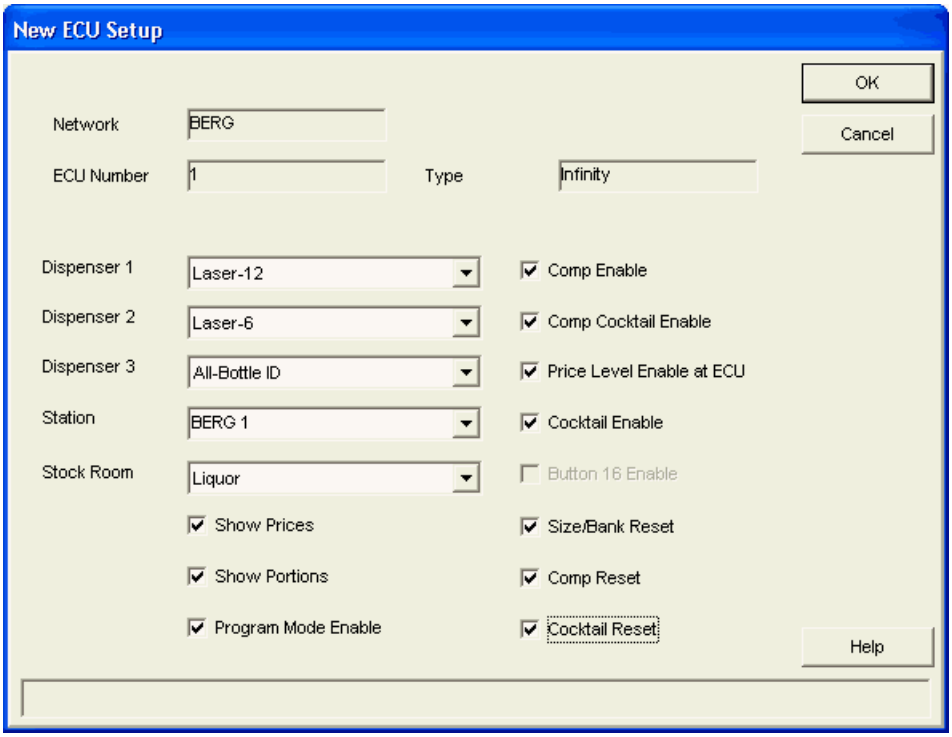
Default Station Names

Infinity automatically creates a station for each ECU you set up. The name of the station is the network name plus the ECU number (e.g., 'Eagle 5').

You can:

- Accept the default name, or
- Type a new name in the **Station** field (up to 19 characters), or
- Select another existing station to which to add this ECU.

You can always rename a station or change station setup later on (see the *Station and Group Setup* section).



Enable Features

Selecting a feature such as Comp Enable, Cocktail Enable or Comp Cocktail Enable does not put dispensers at the ECU in Comp or Cocktail mode. It simply makes it possible for bartenders to switch to these pouring modes.

14. If you selected an All-Bottle-ID dispenser, select **Show Prices** and/or **Show Portions** to see price and portion information displayed on the All-Bottle-ID dispenser when you insert a pourer.

15. If you selected an All-Bottle-ID dispenser, select **Program Mode** to enable pourer programming at the All-Bottle-ID dispenser at this ECU.

16. Click **OK** to save your entries and exit the screen. Or click **Cancel** to exit the screen without saving.

    Wait while the software communicates the setup information to the ECU.

17. Click **Close** to exit the **ECU Setup** screen.

Note

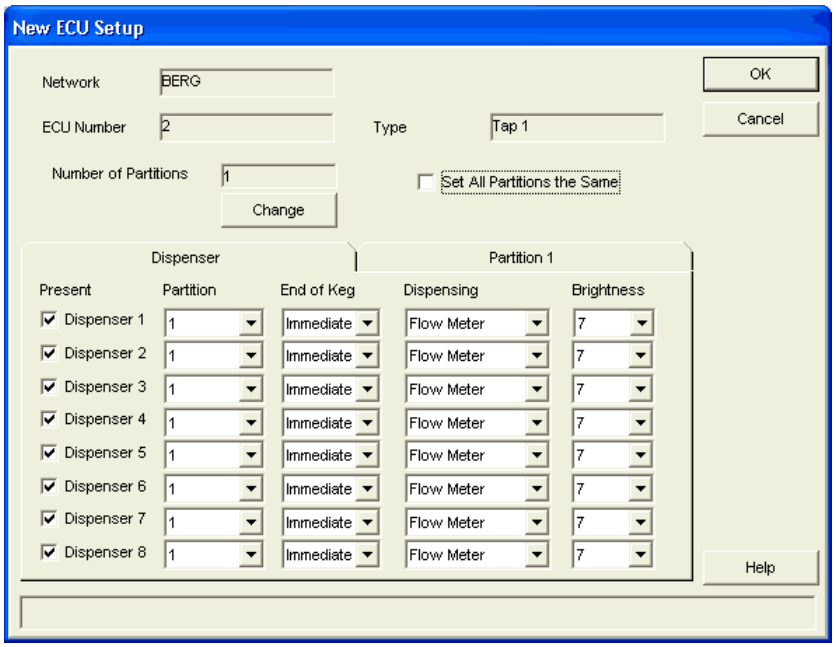
- When you set up a new Infinity ECU with an All-Bottle-7 or All-Bottle-ID dispenser, the default Delay and Cal values sent to the ECU for the coded pourers are for high flow pourers. If you're using standard flow pourers, you can speed up the calibration process by setting the correct calibration values for standard flow pourers. See *Initialize Calibration Values* in the *Calibration* section.

Enter TAP 1 ECU Options

To set up a TAP 1 ECU, you must know the number of partitions (if any) to set up for the ECU and which features you want to enable at the ECU. Use the *Getting Ready for Infinity Worksheet* if you haven't already determined how you want to set up the ECU.

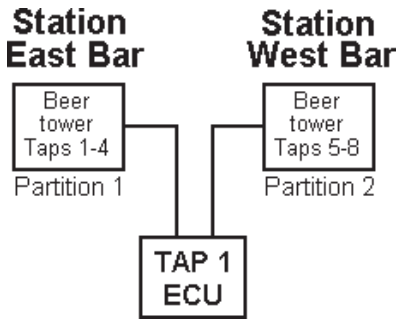
■ To enter TAP 1 ECU options:

1. Access the **New ECU Setup** screen. See *New ECU Setup* in this section.

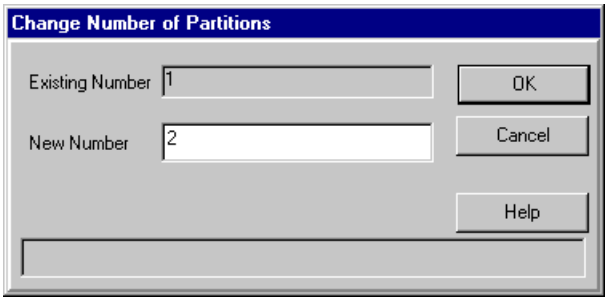


Partitions

A partition is a set of tap controllers defined by you to provide flexibility in assigning tap controllers to stations. A partition can be as small as one tap controller, so a TAP 1 ECU can have up to eight partitions.



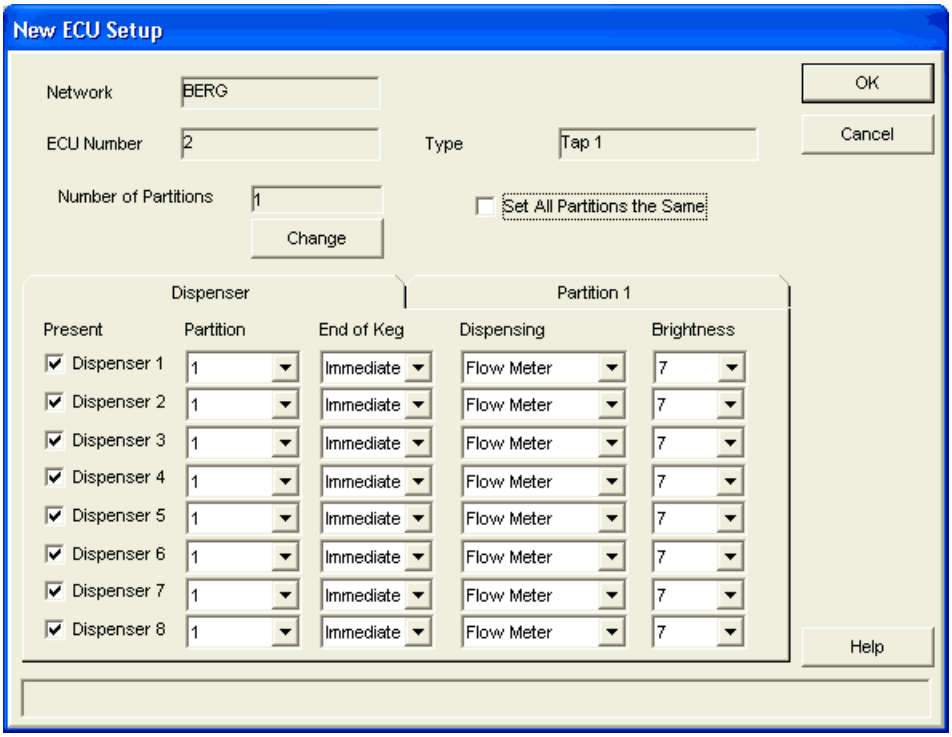
2. By default the **Number of Partitions** for every TAP 1 ECU is **1**. (The entire ECU is considered a single partition.) If you want multiple partitions, click Change.



Type in the **New Number** of partitions (2-8) and click **OK**.

3. To set up all partitions with identical options, select **Set All Partitions the Same**. This option copies your entries on the **Partition 1** tab to every other partition tab. (The station names for the partitions remain unique.)

(continued on next page)



To select different options for each partition (or if you have not set up any further partitions) leave **Set All Partitions the Same** unchecked.

4. On the **Dispenser** tab, select options for each **Tap**.

   Present indicates whether or not there is a tap dispenser at this position. Uncheck if the position is vacant.

   Partition is the partition number. If you haven't set up multiple partitions, each tap controller should be in partition **1**. At least one tap must be assigned to each partition.

   End of Keg indicates the preferred notification when the flow meter detects an empty keg. (Skip these options if the pouring control method is not **Flow Meter**–see below.)

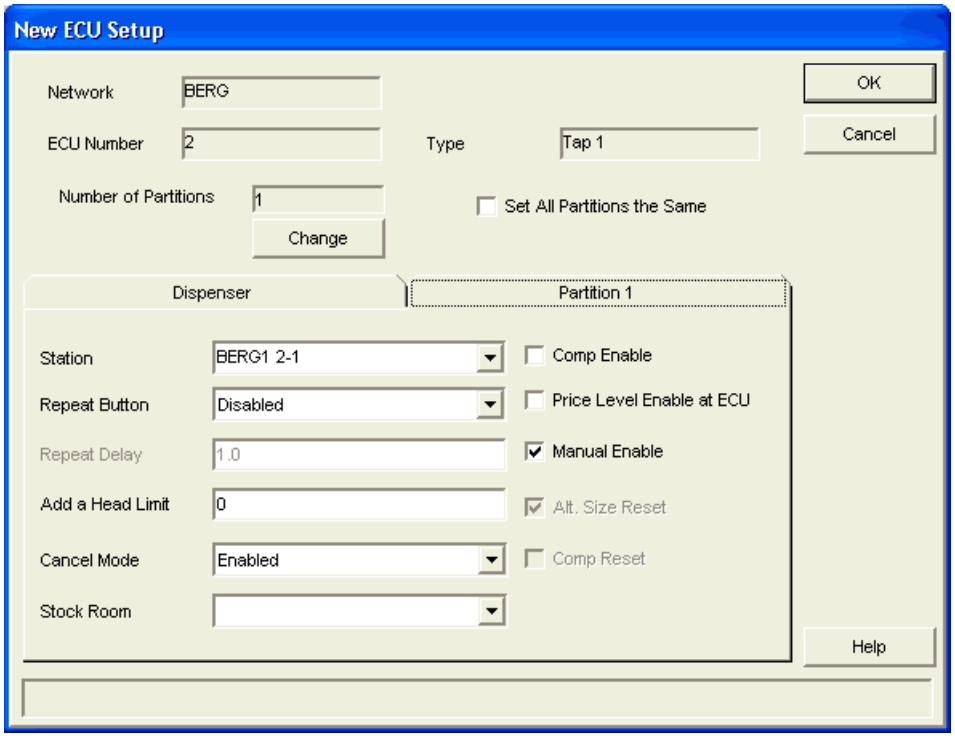
Immediate	Immediately pause the pour
After Pour	Pause after pour is complete
No Notify	No notification at the tap

   Dispensing is the pouring control method used for the tap.

Flow Meter	Portion control by flow meter, TAP 1 tap controller present
Monitor	No portion control, monitors volume by flow meter, no TAP 1 tap controller present
Timer Mode	Portion control by timer, no flow meter, TAP 1 tap controller present

   Brightness is the brightness level (**0-7**) of the tap's keypad. 7 is the brightest.

On the **Partition** tabs you select options that affect all tap controllers in the partition. If you have not set up multiple partitions, all tap controllers are in **Partition 1**. If you have set up multiple partitions and checked **Set All Partitions the Same,** all tabs except **Partition 1** are disabled.



5. Click the **Partition 1** tab.

6. Select a **Station** name. (See **Default Station Names** sidebar.)

7. Select a **Repeat Button** option.

   Repeat Enabled enables the repeat button on the taps for repeat pours.

   Alternate Size Enabled enables the repeat button to pour alternate portion sizes (sizes 5-8).

   Disabled disables the repeat button.

8. Type the **Repeat Delay** if you enabled repeat pours.

   Repeat Delay is the number of seconds (0.8-9.9) the tap pauses between identical pours.

9. Type the **Add a Head Limit** (only available with EPROMS 3.00 or later).

   Add a Head Limit is the maximum number (0-10) of consecutive 'add a head' pours allowed. (Add a head is any zero-priced size, typically set at a small portion on size 4.) Entering 0 permits unlimited add a head pours.

10. Select a **Cancel Mode**.

    Enabled means canceled pours are recorded as cancels on reports.

    Charge Cancels means any canceled pours are recorded as full-volume, full-price pours (only available with EPROMS 3.00 or later).

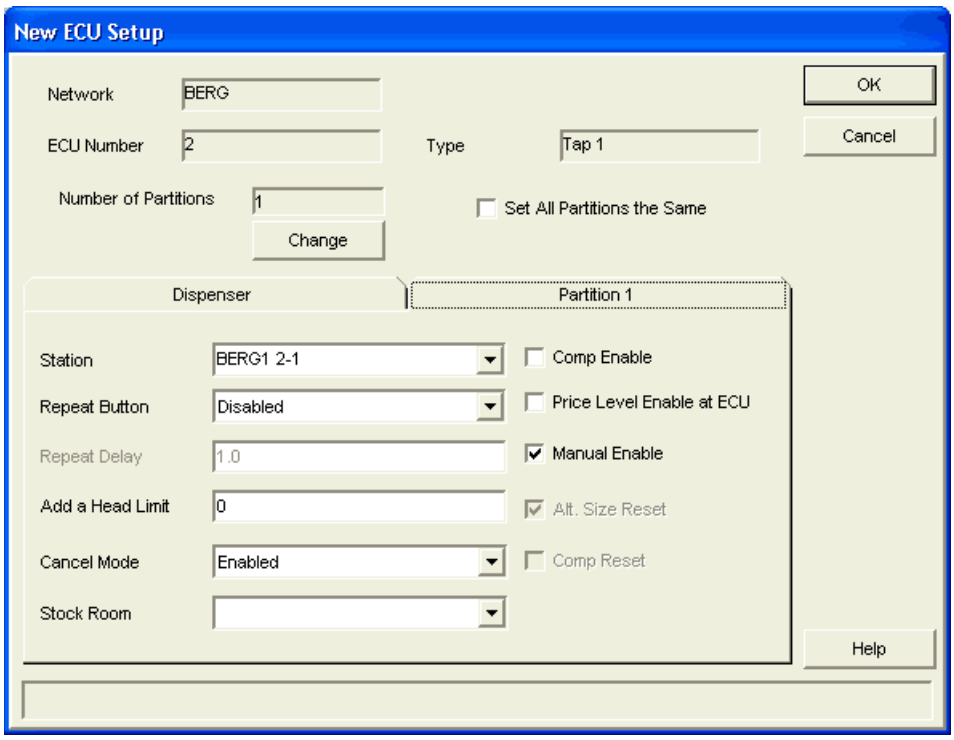
Default Station Names

Infinity automatically creates a station for each ECU or partition you set up. The name of the station is the network name plus the ECU number plus the partition number (e.g., 'Berg 2-1').

You can:

- Accept the default name, or
- Type a new name in the **Station** field (up to 19 characters), or
- Select another station for this ECU or partition.

You can always rename a station or change station setup later on (see the *Station and Group Setup* section).



11. Select a **Stock Room** (if you're using Inventory).

    This is the location from which the ECU is stocked. Each ECU must be assigned to one and only one stock room. You can specify separate stocking locations on your orders by creating as many stock rooms as you need. See *Stock Room Setup* in the *Inventory* section.

12. Select **Comp Enable** to enable complimentary pouring. Enabling this feature does not put dispensers in comp mode; it simply makes comp mode an option at the dispensers.

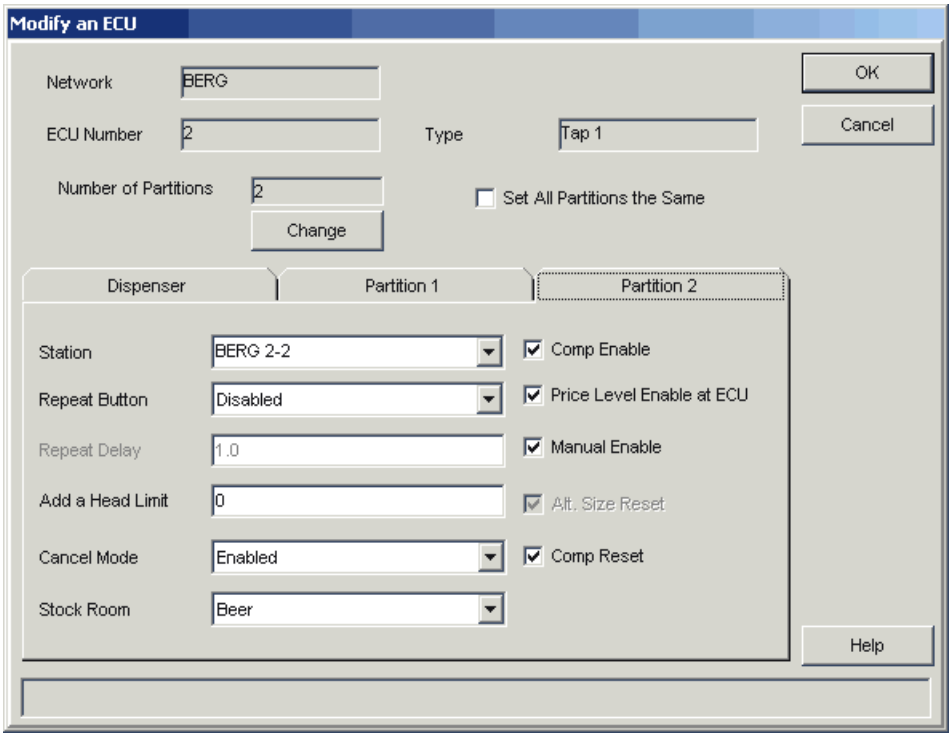
13. Select **Price Level Enable at ECU** to enable price level changes at the taps. If you uncheck this option, price level changes can only be made at the computer.

14. Select **Manual Enable** to enable manual pouring at the taps. Enabling this feature does not automatically suspend portion control pouring; it simply makes it possible to pour manually.

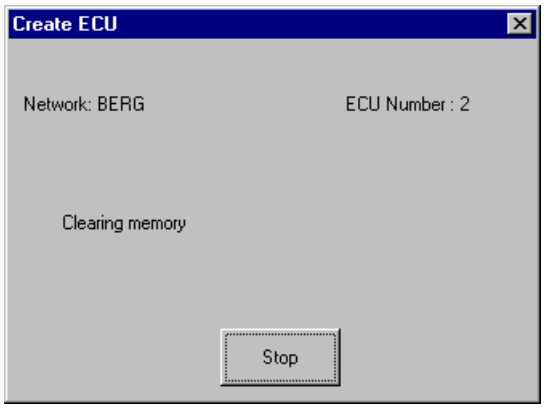
15. Select **Alt. Size Reset** to reset the portion sizes at the tap to standard mode after every alternate size pour (if you enabled alternate size pouring).

16. Select **Comp Reset** to automatically reset to full price pouring after a complimentary pour (if you enabled comp pouring).

17. Click the next **Partition** tab (if any) and repeat steps 6-16 for every partition if you did not select **Set All Partitions the Same**.



18. Click **OK** to save all your entries and exit the screen. Or click **Cancel** to exit the screen without saving.



Wait while the software communicates the setup information to the ECU.

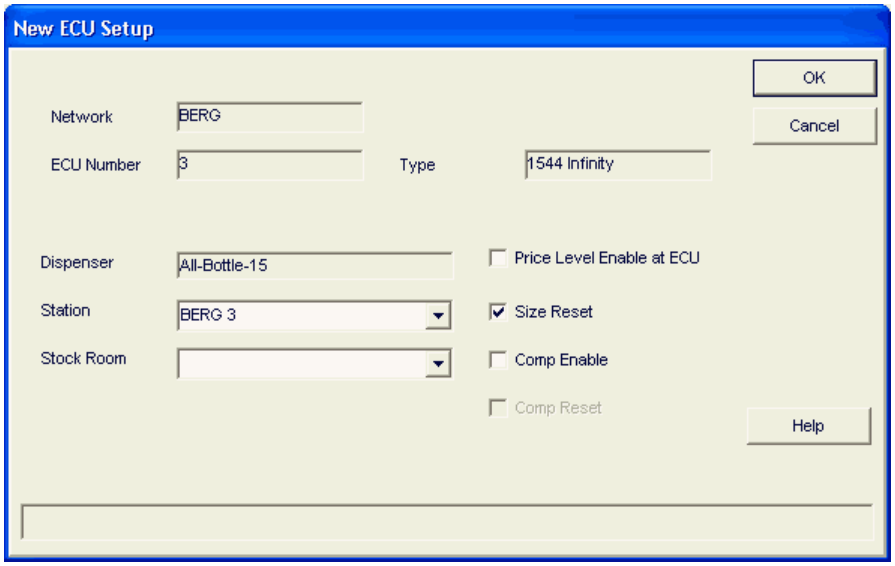
19. Click **Close** to exit the **ECU Setup** screen.

Enter 1544 Infinity ECU Options

A 1544 Infinity ECU must be set up with a network name and a unique ECU number. You must also know which features to enable before you can set up the ECU. Use the *Getting Ready for Infinity Worksheet* if you haven't already determined how you want to set up the ECU.

To enter 1544 Infinity ECU options:

1. Access the **New ECU Setup** screen. See *New ECU Setup* in this section.



2. Select a **Station** name. (See **Default Station Names** sidebar.)

3. Select a **Stock Room** (if you're using Inventory).

   This is the location from which the ECU is stocked. Each ECU must be assigned to one and only one stock room. You can specify separate stocking locations on your orders by creating as many stock rooms as you need. See *Stock Room Setup* in the *Inventory* section.

4. Select **Price Level Enable at ECU** to enable price level changes at the ECU. If you uncheck this option, price level changes can only be made at the computer.

5. Select **Size Reset** to automatically reset the portion size to regular after every pour.

6. Select **Comp Enable** to enable complimentary pouring.

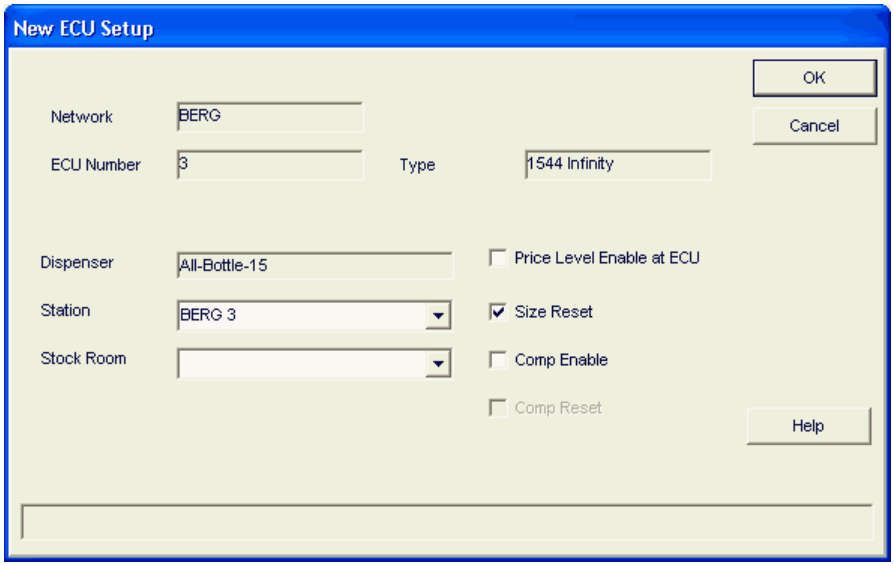
Default Station Names

Infinity automatically creates a station for each ECU you set up. The name of the station is the network name plus the ECU number (e.g., 'Eagle 5').

You can:

- Accept the default name, or
- Type a new name in the **Station** field (up to 19 characters), or
- Select another existing station to which to add this ECU.

You can always rename a station or change station setup later on (see the *Station and Group Setup* section).



7. Select **Comp Reset** to automatically reset to full price pouring after a complimentary pour (if you enabled comp pouring).

8. Click **OK** to save your entries and exit the screen. Or click **Cancel** to exit the screen without saving.

   Wait while the software communicates the setup information to the ECU.

9. Click **Close** to exit the **ECU Setup** screen.

Enable Features

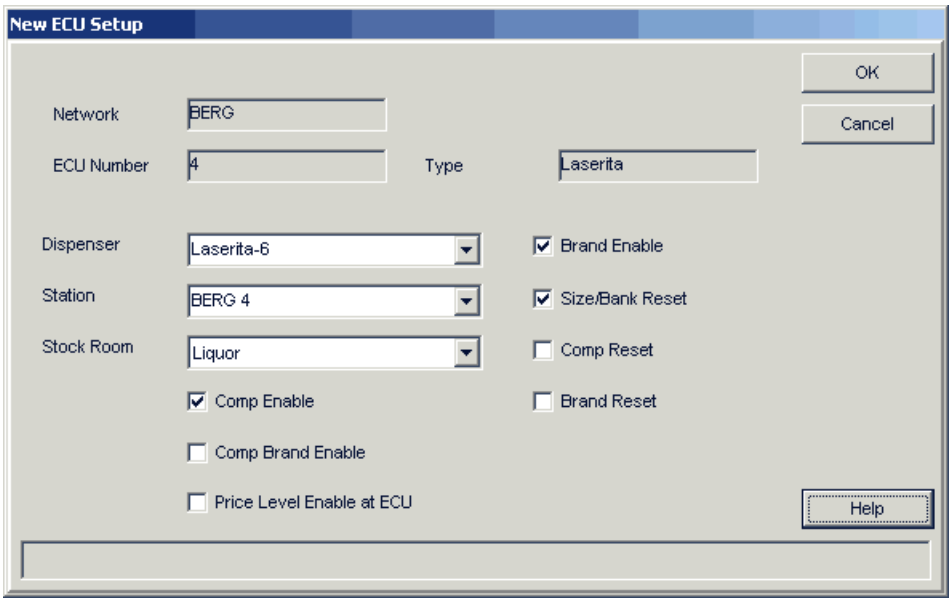
Selecting a feature such as Comp Enable does not put dispensers at the ECU in Comp mode. It simply makes it possible for bartenders to switch to this pouring mode.

Enter Laserita ECU Options

To set up a Laserita ECU, you must know the type of dispenser(s) connected to the ECU and which features you want to enable at the ECU. Use the *Getting Ready for Infinity Worksheet* if you haven't already determined how you want to set up the ECU.

■ To enter Laserita ECU options:

1. Access the **New ECU Setup** screen. See *New ECU Setup* in this section.



2. Select a Laserita dispenser for the **Dispenser** field.
3. Select a **Station** name. (See **Default Station Names** sidebar.)
4. Select a **Stock Room** (if you're using Inventory).

   This is the location from which the ECU is stocked. Each ECU must be assigned to one and only one stock room. You can specify separate stocking locations on your orders by creating as many stock rooms as you need. See *Stock Room Setup* in the *Inventory* section.
5. Select **Comp Enable** to enable complimentary pouring.
6. Select **Comp Brand Enable** to enable complimentary brand pouring. (You have to select both **Comp Enable** and **Brand Enable** first.)
7. Select **Price Level Enable at ECU** to enable price level changes at the ECU. If you uncheck this option, price level changes can only be made at the computer.

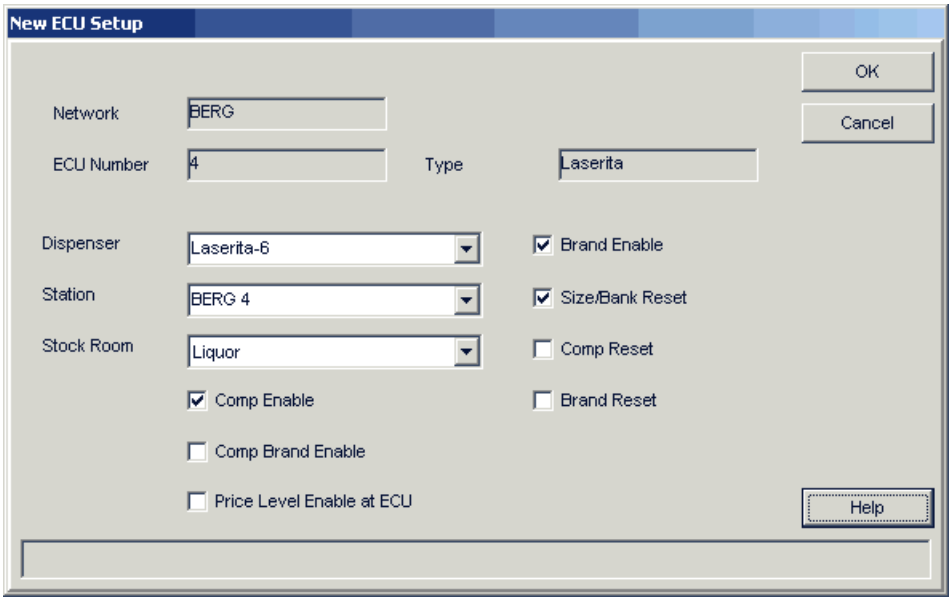
Default Station Names

Infinity automatically creates a station for each ECU you set up. The name of the station is the network name plus the ECU number (e.g., 'Eagle 5').

You can:

- Accept the default name, or
- Type a new name in the **Station** field (up to 19 characters), or
- Select another existing station to which to add this ECU.

You can always rename a station or change station setup later on (see the *Station and Group Setup* section).



8. Select **Brand Enable** to enable brand pouring at the dispenser.

   The normal pouring mode for the Laserita is cocktail mode. If you want to guarantee only cocktails are poured, do not select **Brand Enable**.

9. Select **Size/Bank Reset** to automatically reset the portion size or cocktail bank to Regular after every pour.

10. Select **Comp Reset** to automatically reset to full price pouring after a complimentary pour. (You have to select **Comp Enable** first.)

11. Select **Brand Reset** to automatically reset to regular cocktail pouring after a brand pour. (You have to select **Brand Enable** first.)

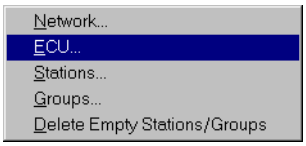
12. Click **OK** to save your entries and exit the screen. Or click **Cancel** to exit the screen without saving.

    Wait while the software communicates the setup information to the ECU.

13. Click **Close** to exit the **ECU Setup** screen.

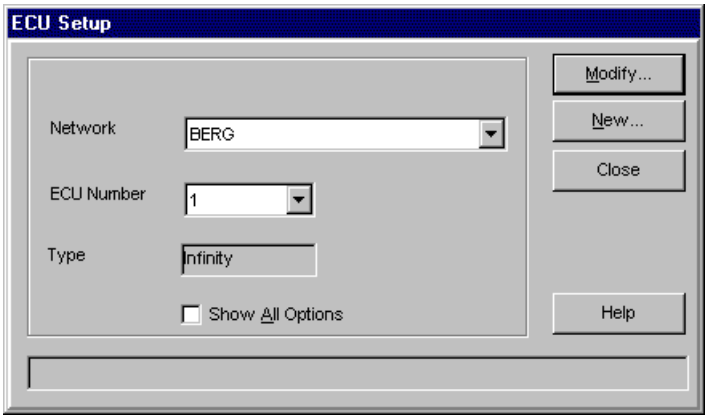
Modify an ECU

You can make changes to existing ECU settings if necessary. All ECU settings can be modified and the changes are communicated to the ECU as soon as you click **OK** to enter them. If you have accumulated sales data, run a Clear Sales (Z) report before making major changes such as modifying the number of partitions in a TAP 1 ECU.

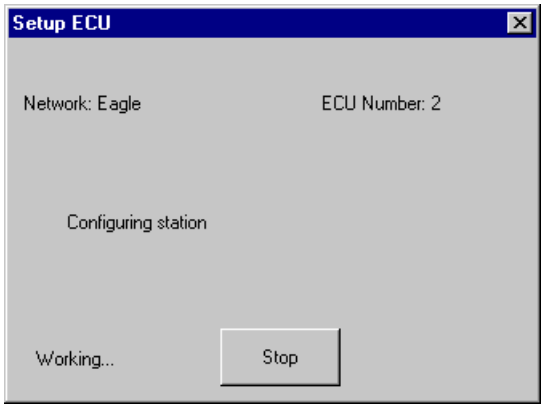


To modify an ECU:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **ECU...**.



3. Select the name of the **Network**.
4. Select the **ECU** number.
5. Click **Modify...**.
6. Select new entries for the ECU options you want to modify. If you need help with the options, see the *New ECU Setup* tasks in this section.
7. Click **OK** to save all your entries and exit the screen. Or click **Cancel** to exit the screen without saving.

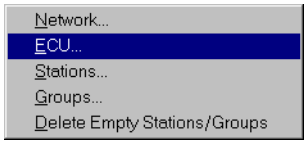


Wait while the software communicates the modifications to the ECU.

8. Click **Close** to exit the **ECU Setup** screen.

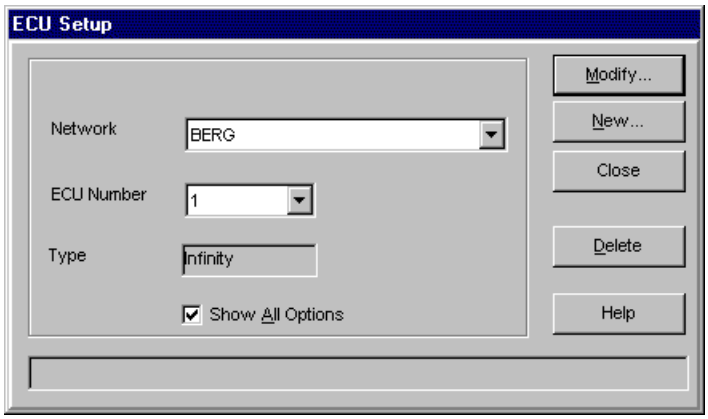
Delete an ECU

You can delete an ECU if you need to. When you delete an ECU, the ECU and its dispensers are disabled. If you have accumulated sales data, run a Clear Sales (Z) report before deleting the ECU.

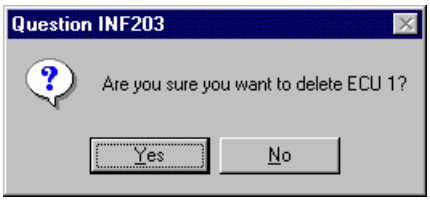


To delete an ECU:

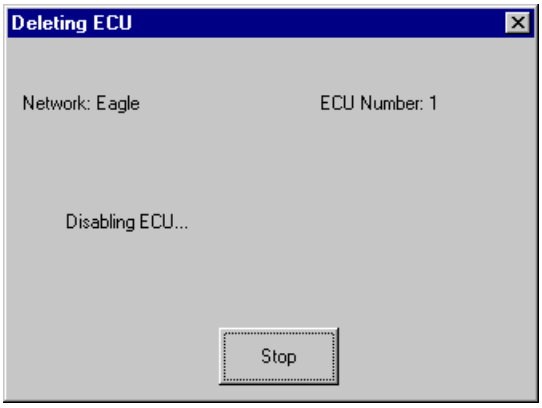
1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **ECU...**.



3. Pull down a list and select the name of the **Network**.
4. Pull down a list and select the **ECU** number.
5. Check **Show All Options** if necessary.
6. Click **Delete**.
7. Click **Yes** to confirm the deletion.



Wait for the software to complete the deletion. After

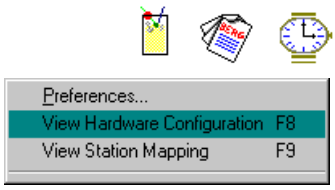


communication with the ECU, the ECU and its dispensers are disabled.

8. Click **Close** to exit the **ECU Setup** screen.

View Hardware Configuration

This feature lets you view a list of the networks and ECUs you have set up. It also includes the station name of each ECU. This list is helpful if you want to get an overview of the system's organization or you need to see what's out there before making changes. It's easily moved and resized and you can view it from any screen. This list reflects only your database configuration at the computer—it does not check to see what hardware is attached at the present time.

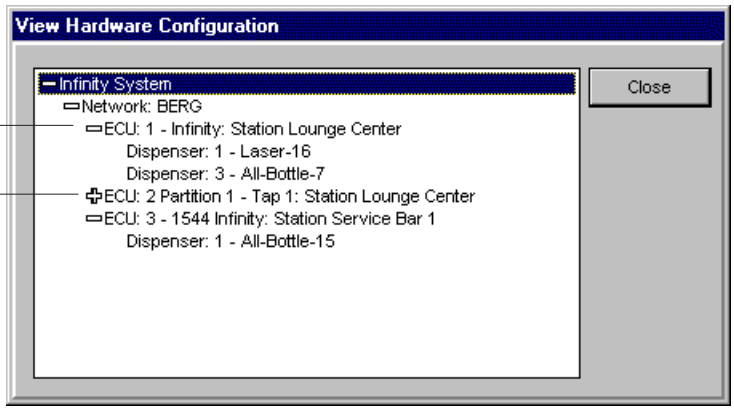


To view hardware configuration:

1. Run **Manager**, **Report** or **Schedule**.
2. Pull down the **Options** menu and click **View Hardware Configuration**.

   OR

   From any screen press the **F8** key.


View Hardware Configuration
Infinity System
Network: BERG
ECU: 1 - Infinity: Station Lounge Center
Dispenser: 1 - Laser-16
Dispenser: 3 - All-Bottle-7
ECU: 2 Partition 1 - Tap 1: Station Lounge Center
ECU: 3 - 1544 Infinity: Station Service Bar 1
Dispenser: 1 - All-Bottle-15
Close

3. View the directory-type list using the scroll bar if necessary.
4. Click the plus (+) sign on networks or ECUs to view their components.
5. Click the minus (-) sign on networks or ECUs to collapse their components.
6. Click **Close** to exit the screen.

SECTION 8

Station and Group Setup

After you've set up networks and ECUs, you can organize the ECUs into stations and groups for convenient management of pouring operations and reporting. A station is the smallest component of the system used for performing software tasks such as changing price levels or running reports. By default, a station is set up in the software for each ECU or partition you set up. Therefore, you don't need to set up any more stations unless you want to combine ECUs or partitions into one station for convenience. Setting up groups provides further flexibility because you can combine stations and other groups into one group. An ECU or partition can only be in one station, but in multiple groups. As you set up your system, you can view a list of stations and groups using the View Station Mapping feature. This section provides help with the following tasks:

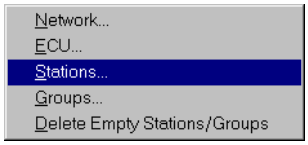
New Station Setup 8-2
Modify a Station 8-4
Rename a Station 8-6
Delete a Station 8-7
New Group Setup 8-8
Modify a Group 8-10
Rename a Group 8-12
Delete a Group 8-13
View Station Mapping 8-14
Delete Empty Stations and Groups 8-15

New Station Setup

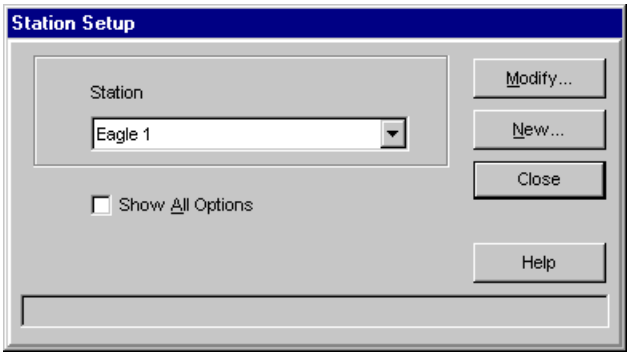
You don't have to set up any stations if you plan to treat each ECU as its own station. If you want to keep each ECU in its own station but give it a new station name, see *Rename a Station* in this section. You should set up a new station if you want to combine two or more ECUs or partitions into a single station for the purposes of pouring operations and reports. A station is the smallest component the software uses to perform most functions, so be sure the stations you set up provide the most convenient combinations of ECUs and partitions. For maximum flexibility, set up each ECU or partition as its own station, and then set up groups for all operations involving multiple ECUs or partitions.

To set up a new station:

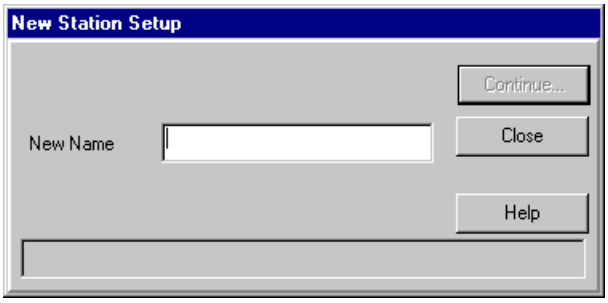
1. Run **Manager**.



2. Pull down the **Equipment** menu and point to **Setup**. Click **Stations...**.



3. Click **New...**.

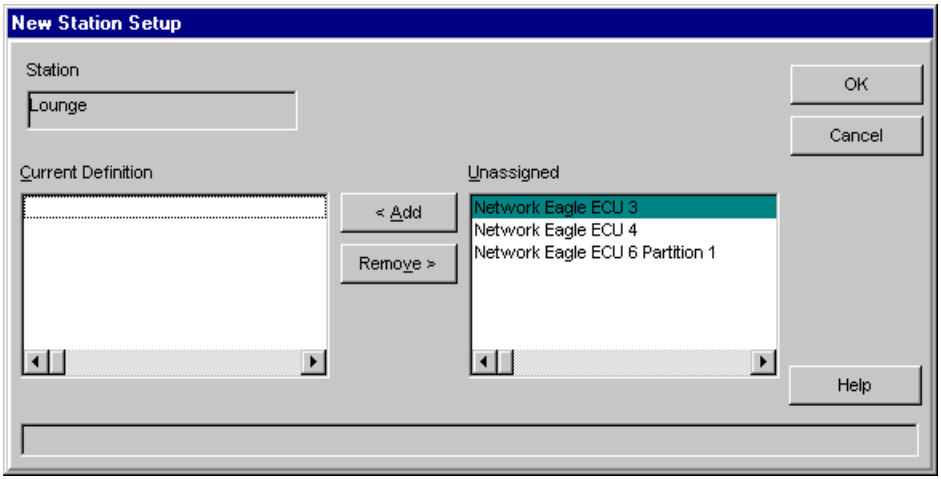


4. Type in the station's unique name in the **New Name** field. It can be up to 19 characters long.

5. Click **Continue...** to proceed with setting up the station or click **Close** to exit the screen without saving.

View Station Mapping

If you want to see a list of all the stations and groups you've set up, see *View Station Mapping* in this section.



If the ECU or partition you want to add is not in the **Unassigned** list, see *Modify a Station* in this section to remove it from its current station.

Or you can delete the current station names which puts all ECUs and partitions on the **Unassigned** list. See *Delete a Station* in this section.

6. Select an entry in the **Unassigned** list and click < Add to move the entry into the **Current Definition** list or drag and drop the selected entry to the **Current Definition** list.

   The **Unassigned** list is a list of all the ECUs and partitions that are currently unassigned to a station.

7. To remove an entry from the **Current Definition** list, select the entry and click Remove > or drag and drop the entry from **Current Definition** list to the **Unassigned** list.

8. Click **OK** to save all your entries in the **Current Definition** list and exit the screen. Or, click **Cancel** to exit the screen without saving.

9. Repeat steps 3-8 for each new station you are setting up.

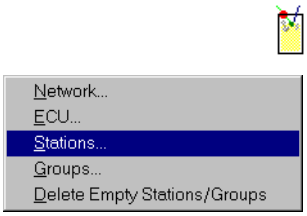
10. Click **Close** to exit the **Station Setup** screen.

Empty Stations

- You can create an empty station if you want to make the ECU/partition assignments later.
- Empty stations do not appear in station selection lists when you perform **Infinity** operations (such as enabling/disabling stations, running reports, etc.).

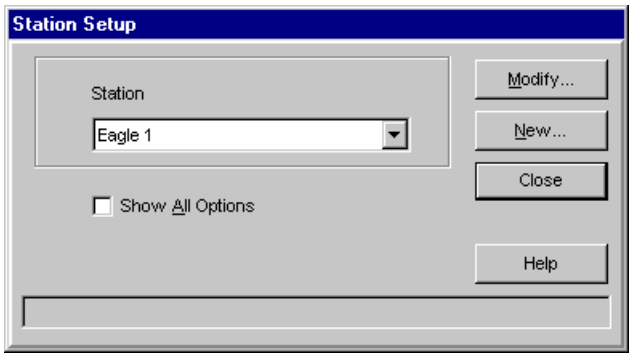
Modify a Station

You can make changes to the current definition of a station if necessary. If you remove ECUs or partitions from the station they are put on the **Unassigned** list. Be sure to reassign them to a different station.

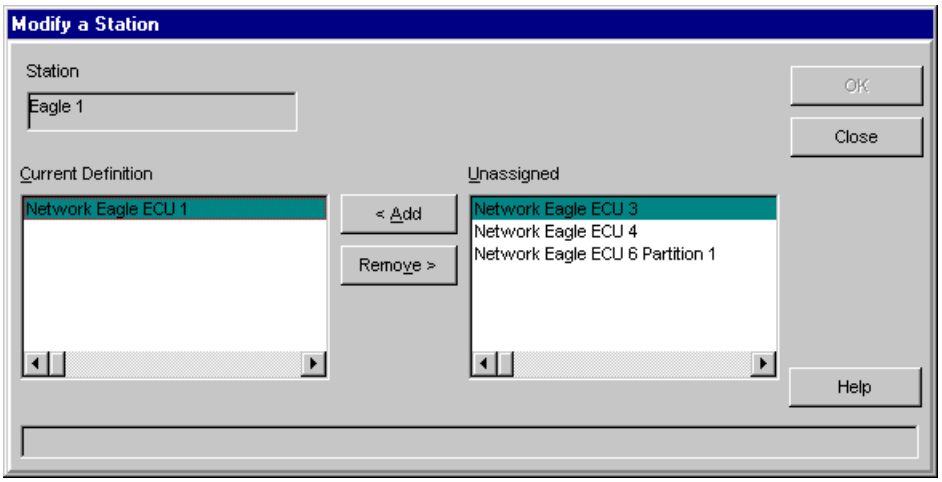


To modify a station:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Stations...**.



3. Select the name of the **Station** you want to modify.
4. Click **Modify...**.
5. View the **Current Definition** list for the station using the scroll bar.



You can also assign an ECU or partition to a station from ECU Setup. See *Modify an ECU* in the *Network and ECU Setup* section.

6. To add entries to the **Current Definition** list, click entries in the **Unassigned** list and click < Add or drag and drop the entry to the list.

   To remove entries from the **Current Definition** list, highlight the entries and click Remove > or drag and drop the entry from the **Current Definition** list to the **Unassigned** list.

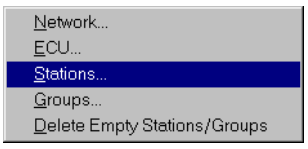
7. Click **OK** to save the displayed **Current Definition** list and exit the screen. Or click **Cancel** to exit the screen without saving.

8. Repeat steps 3-7 for each station you want to modify.

9. Click **Close** to exit the **Station Setup** screen.

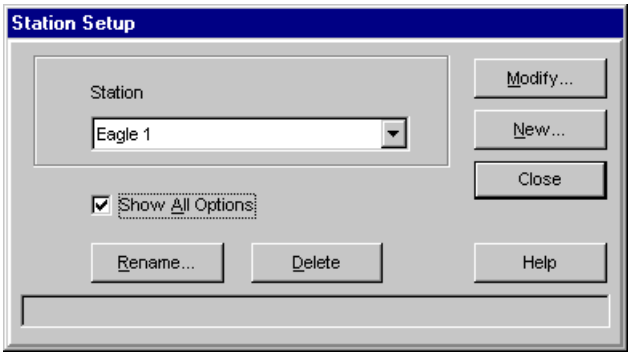
Rename a Station

If you only want to change a station's name, use this station setup feature. If you want to modify the station's definition list, see *Modify a Station* in this section.



To rename a station:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Stations...**.



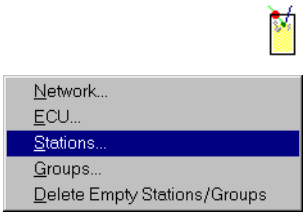
3. Select the name of the **Station** you want to rename.
4. Select **Show All Options**.
5. Click **Rename...**.

- The old station name will be automatically replaced with the new station name in any custom reports, exports or in any schedules saved in the **Infinity** directory.

6. Type in a unique name for the station in the **New Name** field.
7. Click **OK** to save your entry and exit the screen. Click **Cancel** to exit the screen without saving.
8. Click **Close** to exit the **Station Setup** screen.

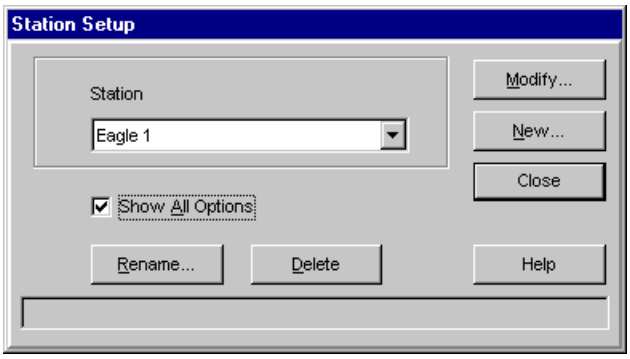
Delete a Station

You can delete a station if you need to. When you delete a station, the ECUs and partitions in the station are not deleted. They are put on the **Unassigned** list. Be sure to reassign them to a different station.



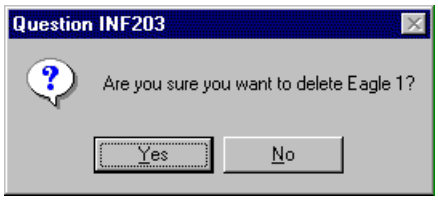
■ To delete a station:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Stations...**.



3. Select the name of the **Station** you want to delete.
4. Select **Show All Options**.
5. Click **Delete**.

- You'll see a warning if the station is included in any schedules, exports or custom reports. Click **Continue...** and then respond to the **Yes** or **No** confirmation message.
- If you proceed with the deletion, the indicated schedules, exports, or custom reports will not run correctly.



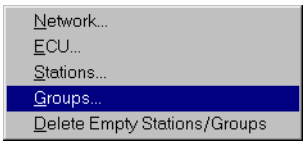
6. Click **Yes** to confirm the deletion.
7. Click **Close** to exit the **Station Setup** screen.

Note

❑ See also *Delete Empty Stations and Groups* if you want to quickly delete all station or group names that have no assigned ECUs or partitions.

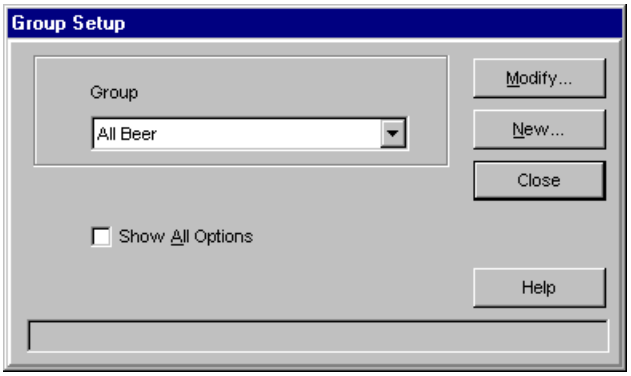
New Group Setup

Groups are the most flexible equipment setup item in the software. You can set up as many or as few groups as you like, with each group being part of another group or forming a series of levels if your system is large. Groups are composed of stations and/or other groups. Organize your groups to provide the most convenient access for management, scheduling and reporting activites.

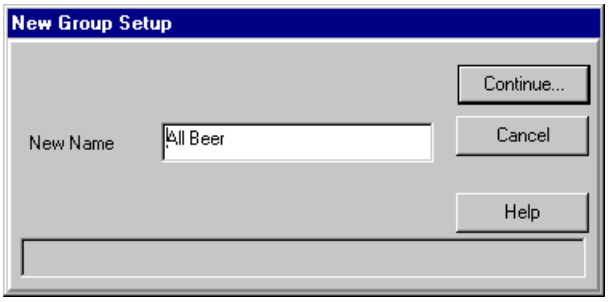


To set up a new group:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Groups...**.



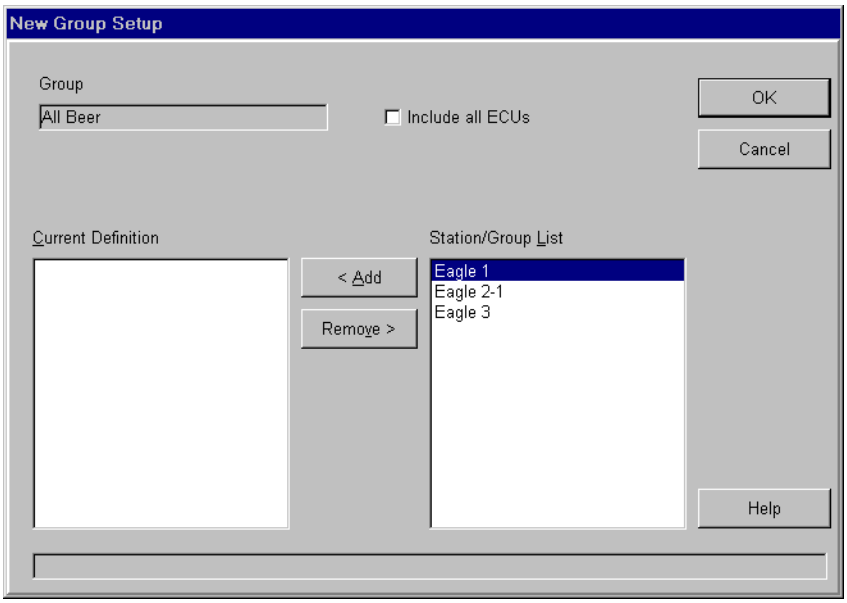
3. Click **New...**.



4. Type in the group's unique name in the **New Name** field. It can be up to 19 characters long.
5. Click **Continue...** to proceed with setting up the group or click **Close** to exit the screen without saving.

View Station Mapping

If you want to see a list of all the stations and groups you've set up, see *View Station Mapping* in this section.



6. View the **Station/Group List** using the scroll bar. Select an entry in the list and click < Add to add the entry to the **Current Definition** list or drag and drop the entry from the **Station/Group List** to the **Current Definition** list.

   Note that the entry is not removed from the **Station/Group List** because one entry can be in several different groups.

7. To set up a master group that includes all ECUs (even those not assigned to a particular station), select **Include all ECUs**.

   Selecting this option does not prevent you from setting up other groups. Once you've selected this option and exited the screen, it no longer appears on the **New Group Setup** screen because you can only have one master group.

   When you install **Infinity** with a new database a master group is automatically created for you. Once you have a master group, any new ECUs that you set up are automatically added to the master group.

8. To remove an entry from the **Current Definition** list, highlight the entry and click Remove > or drag and drop the entry from the **Current Definition** list to the **Station/Group List**.

9. Click **OK** to save all your entries in the **Current Definition** list and exit the screen. Or click **Cancel** to exit the screen without saving.

10. Repeat steps 3-9 for each new group you are setting up.

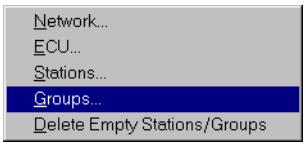
11. Click **Close** to exit the **Group Setup** screen.

Empty Groups

- You can create an empty group if you want to make the station/group assignments later.
- Empty groups do not appear in group selection lists when you perform **Infinity** operations (such as enabling/disabling groups, running reports, etc.).

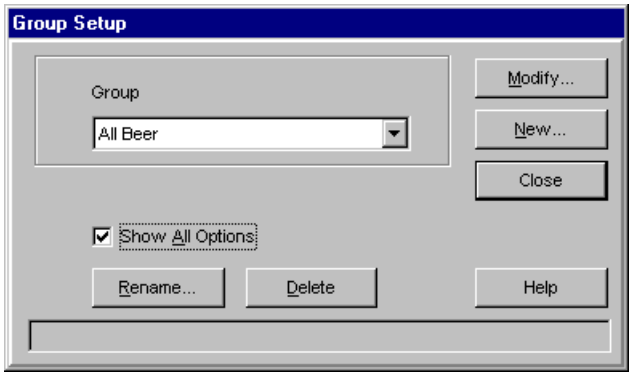
Modify a Group

You can make changes to an existing group if necessary. The only group you can't modify is a master group (if you've defined one by checking the **Include all ECUs** option).

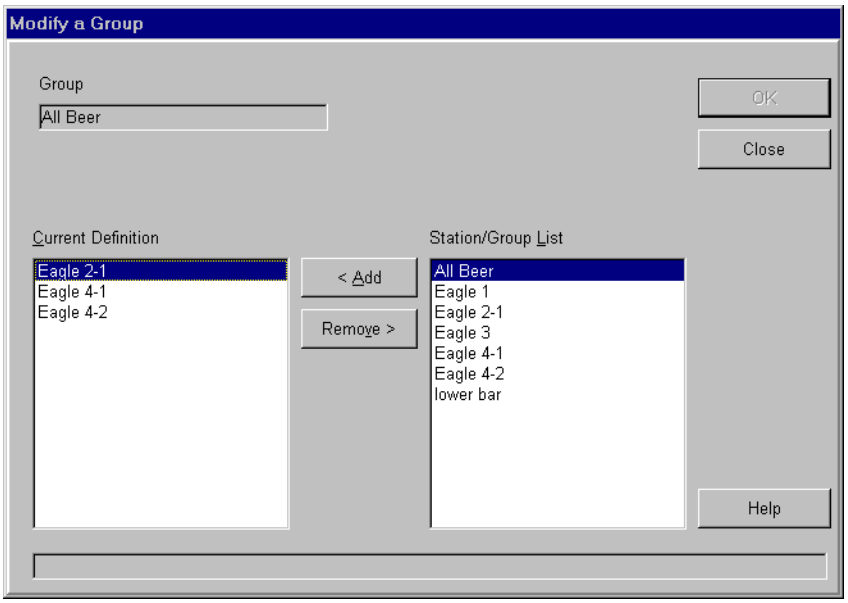


To modify a group:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Groups...**.



3. Select the name of the **Group** you want to modify.
4. Click **Modify...**.
5. View the **Current Definition** list for the group using the scroll bar.



6. To add entries to the **Current Definition** list, select entries in the **Station/Group List** and click < Add or drag and drop entries from the **Station/Group List** to the **Current Definition** list.

   To remove entries from the **Current Definition** list, select the entries and click Remove > or drag and drop entries from the **Current Definition** list to the **Station/Group List**.

7. Click **OK** to save the displayed **Current Definition** list and exit the screen. Or click **Cancel** to exit the screen without saving.

8. Repeat steps 3-7 for each group you want to modify.

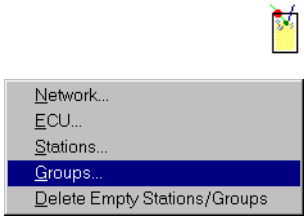
9. Click **Close** to exit the **Setup Groups** screen.

Note

- The **Include all ECUs** option does not appear on the **Modify a Group** screen.

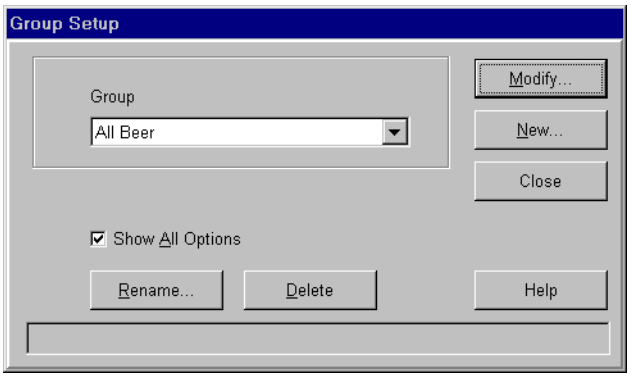
Rename a Group

If you only want to change a group's name, use this group setup feature. If you want to modify the group's definition list, see *Modify a Group* in this section.



To rename a group:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Groups...**.



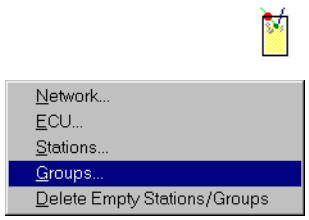
3. Select the name of the **Group** you want to rename.
4. Select **Show All Options**.
5. Click **Rename...**.

- The old group name will be automatically replaced with the new group name in any custom reports, exports or in any schedules saved in the **Infinity** directory.

6. Type in a unique name for the group in the **New Name** field. It can be 19 characters.
7. Click **OK** to save your entry and exit the screen. Click **Cancel** to exit the screen without saving.
8. Click **Close** to exit the **Group Setup** screen.

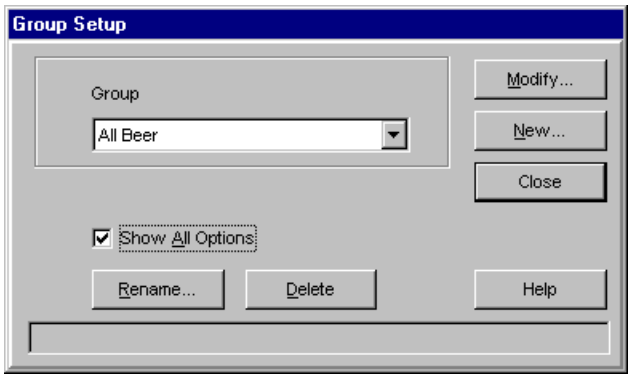
Delete a Group

You can delete a group if you need to, rather than simply modifying or renaming it. When you delete a group, the stations and groups in the group are not deleted.

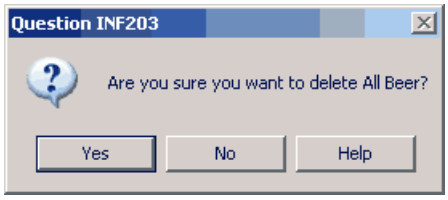


To delete a group:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Groups...**.



3. Select the name of the group you want to delete.
4. Select **Show All Options**.
5. Click **Delete**.



6. Click **Yes** to confirm the deletion.
7. Click **Close** to exit the **Group Setup** screen.

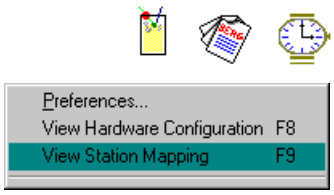
- You'll see a warning if the group is included in any schedules, exports or custom reports. Click **Continue...** and then respond to the **Yes** or **No** confirmation message.
- If you proceed with the deletion, the indicated schedules, exports, or custom reports will not run correctly.

Note

- See also *Delete Empty Stations and Groups* if you want to quickly delete all station or group names that have no assigned ECUs or partitions.

View Station Mapping

You can view a list of the stations and groups you have set up. This list is helpful if you want to get an overview of the system's organization or you need to see what's out there before making changes. It's easily moved and resized and you can view it from any screen. This list reflects only your database configuration at the computer—it does not check to see what hardware is attached at the present time.

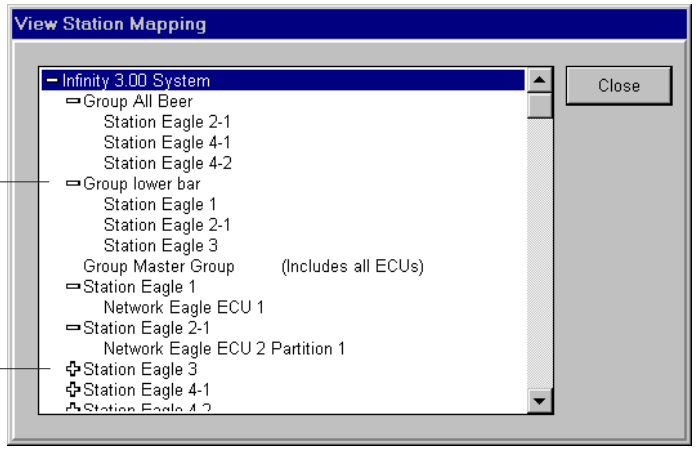


To view station mapping:

1. Run **Manager**, **Report** or **Schedule**.
2. Pull down the **Options** menu and click **View Station Mapping**.

   OR

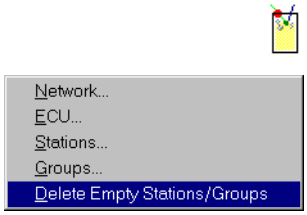
   From any screen press the **F9** key.



3. View the directory-type list using the scroll bar if necessary.
4. Click the plus (+) sign on stations or groups to view their components.
5. Click the minus (-) sign on stations or groups to collapse their components.
6. Click **Close** to exit the screen.

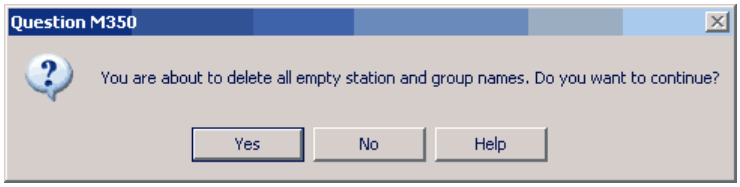
Delete Empty Stations and Groups

Perform this task to quickly remove the names of all stations or groups that have no assigned ECUs or partitions.



To delete empty stations and groups:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Setup**. Click **Delete Empty Stations/Groups**.



3. Click **Yes** to proceed with the deletion.

   Even though you don't see a list of the station and group names deleted, you can safely perform this operation knowing that any station or group that contains an ECU or partition won't be deleted.

SECTION 9

ECU Diagnostics

Diagnostic features are included in **Infinity** software to test communication between the ECUs and the computer. Use these features to verify communication at the time of installation and any time you may need to troubleshoot communication with a particular ECU. This section provides help with the following tasks:

Communication Wizard 9-2

Loopback Test 9-6

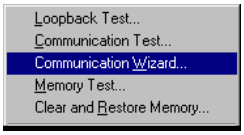
Communication Test 9-8

Memory Test 9-10

Clear and Restore Memory 9-12

Communication Wizard

This Wizard helps you troubleshoot communication problems between your computer and any ECUs in a hard-wired network. Since it takes you through the process step by step, the Wizard is especially helpful if you're not sure you're running a loopback or communication test properly. To use the Wizard you must have a loopback tester, your network communication must be at 9600 baud and the ECUs must be free of security codes. The Wizard can't help you test communication on a modem-connected network.



To use the Communication Wizard:

1. Run **Manager**.
2. Pull down the **Diagnostics** menu. Click **Communication Wizard...**.

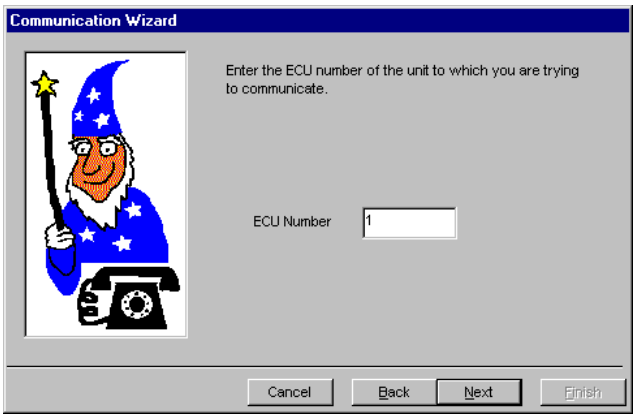
Communication Wizard
Welcome to the Communication Wizard. Communication to an ECU will be tested and diagnosed.
A loopback tester is required.
Testing is only allowed on a 9600 baud network.
The Wizard will not work on networks connected via modem.
There must NOT be a security code in the ECU.
If your system does not fit these requirements, use communication test instead.
Help
Cancel
Back
Next
Finish

The first screen lists the prerequisites for running the Wizard.

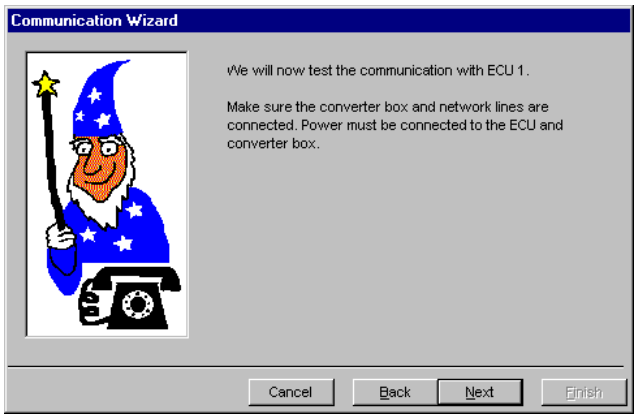
2. Click **Next** to proceed to the next screen or click **Cancel** to exit the Wizard.

Communication Wizard
Identify the port that you are using with the serial line.
If you are not sure which one you are using, make a guess. The wizard will help determine the correct port later.
Port
1
Cancel
Back
Next
Finish

3. Select the **Port** number at the computer where your **Infinity** network is connected and click **Next.**

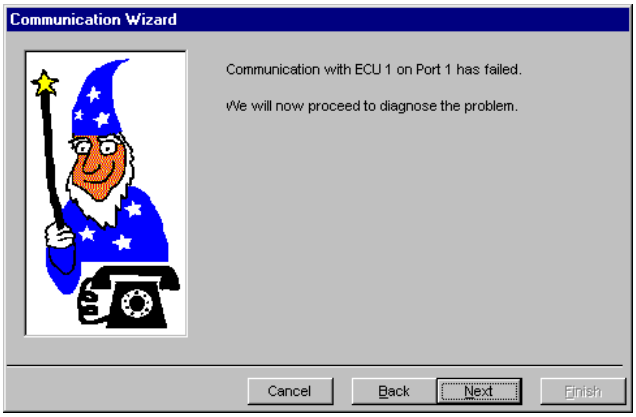


4. Enter the **ECU Number** of the first ECU you want to test and click **Next**.

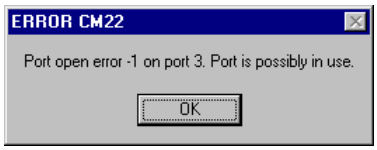

Communication Wizard
We will now test the communication with ECU 1.
Make sure the converter box and network lines are connected. Power must be connected to the ECU and converter box.
Cancel
Back
Next
Finish

5. Check all connections (including power) and click **Next**. The communication test proceeds. Wait while the test runs.

6. If communication with the ECU succeeded, you'll see this message. Click **Finish** to close the Wizard. To check communication with a different ECU, start the Wizard again.
(continued on next page)

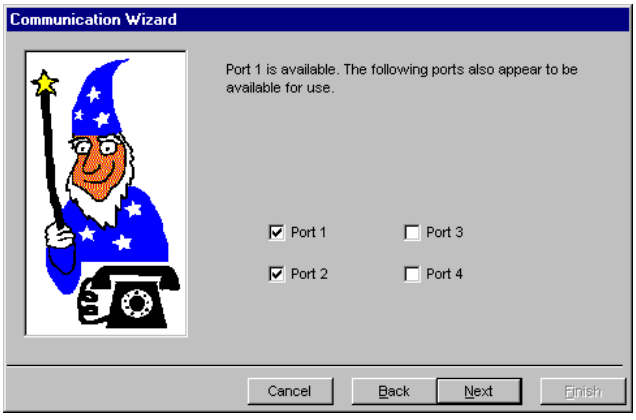


7. If communication with the ECU failed, the Wizard will help you determine why. Click **Next**.



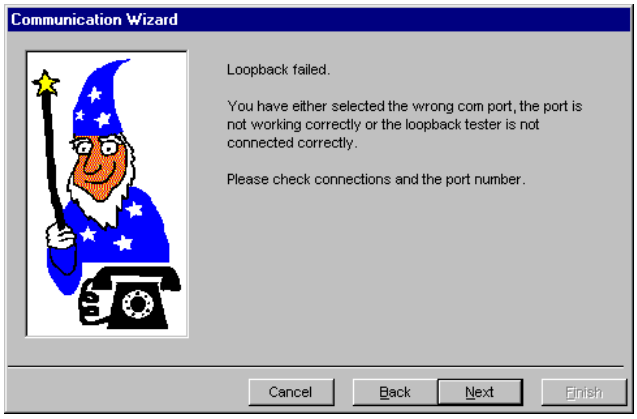
You may see this error message which means the port could not be opened, usually for one of the following reasons. The port is being used by another program or device (such as a modem or a mouse). The port may not exist, if it is not defined by Windows. If you believe this port should be available, you need to figure out why it is not. Sometimes rebooting will free up a temporarily busy port. See also the CM22 explanation in *Communication (CM) Error Messages* in the *Software Messages* section. Click **OK** to exit the error message.

8. The first thing to test is the communication port at the computer. Disconnect the **Infinity** network and any loopback tester from the computer and click **Next**. The software then checks the computer's comm ports. The next message you see is determined by your particular setup.



9. The software determines which comm ports are available for you to make an **Infinity** network connection. Click **Next**.

10. Reconnect the loopback tester directly into the port you think is the port number you selected. Click **Next**.


Communication Wizard
Loopback failed.
You have either selected the wrong com port, the port is not working correctly or the loopback tester is not connected correctly.
Please check connections and the port number.
Cancel
Back
Next
Finish

11. In this example, the Wizard runs the test and suggests trying a different port number (or the possibility that the port or loopback tester is defective). When you click **Next**, the Wizard puts you back to the first step of the test--entering a Port number.

Communication Wizard
Identify the port that you are using with the serial line.
If you are not sure which one you are using, make a guess. The wizard will help determine the correct port later.
Port
1
Cancel
Back
Next
Finish

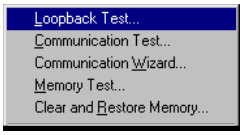
12. Proceed with the prompts the Wizard displays for your particular setup. You'll be disconnecting and re-connecting the loopback tester at various points in the communication line between the ECU and computer.

Loopback Test

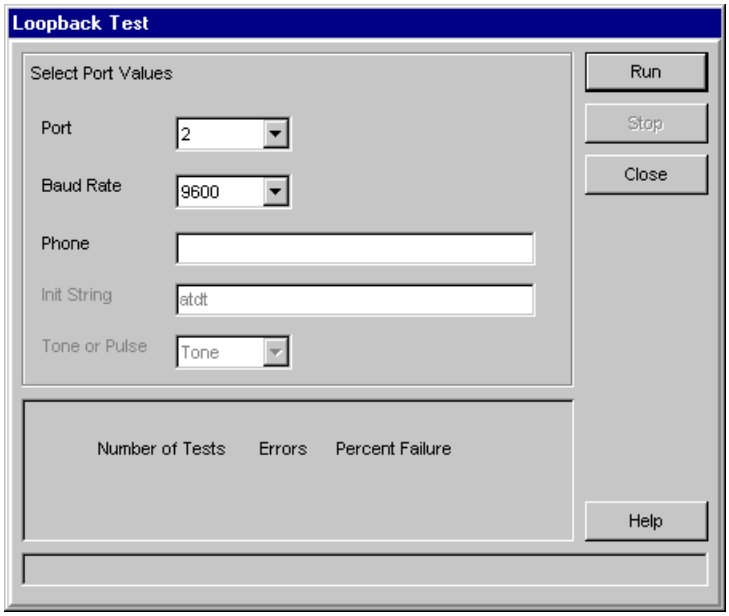
The loopback test verifies you have a working, accessible COM port on your computer. You must have a loopback tester (Berg PN 8009196) to connect to the port to perform this test.

To perform a loopback test:

1. Run **Manager**.

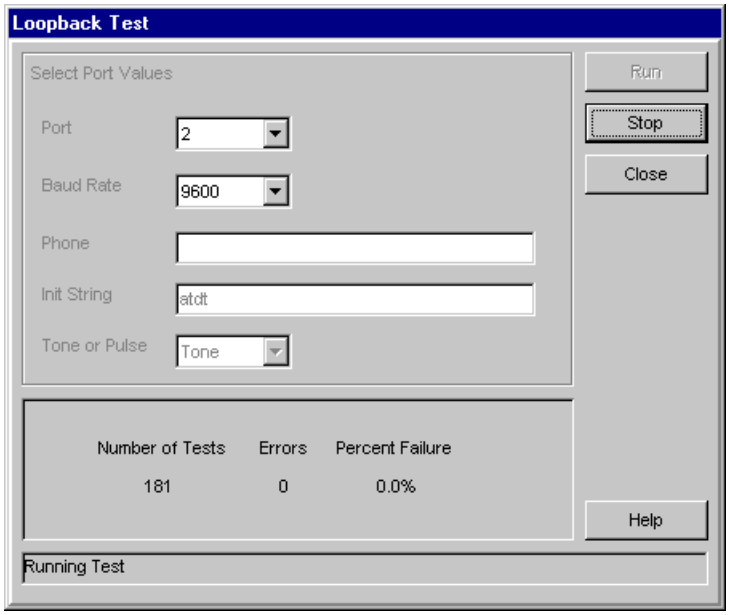


2. Pull down the **Diagnostics** menu. Click **Loopback Test...**.



3. Select the number of the **Port**.
4. Select the **Baud Rate**.
5. Type the **Phone** number of the remote modem if you are testing a modem connection.
6. Type the initialization string for the computer modem in the **Init String** field. The default (AT &D2 &C1 S0=0|) sets Data Terminal Relay and Carrier Detect to normal and turns off Auto Answer.
7. Select **Tone** or **Pulse** for the type of dialing used on the computer modem's telephone line.

8. Click **Run** to begin the test (without the loopback tester in place).



   The loopback test commences. You should see exactly 100% failure.

9. If you don't see 100% failure, click **Stop** to end the test. (The port you've chosen is already in use by a device that is echoing the loopback signal. That port is not available for **Infinity**.) Select a new **Port** number and click **Run**.

10. When you see 100% failure, plug the loopback tester into the computer port. (You don't need to stop the test.)

    If the failure rate decreases to near 0%, you know the port is OK.

11. Click **Stop** to end the test.

12. Click **Close** to exit the **Loopback Test** screen.

Note

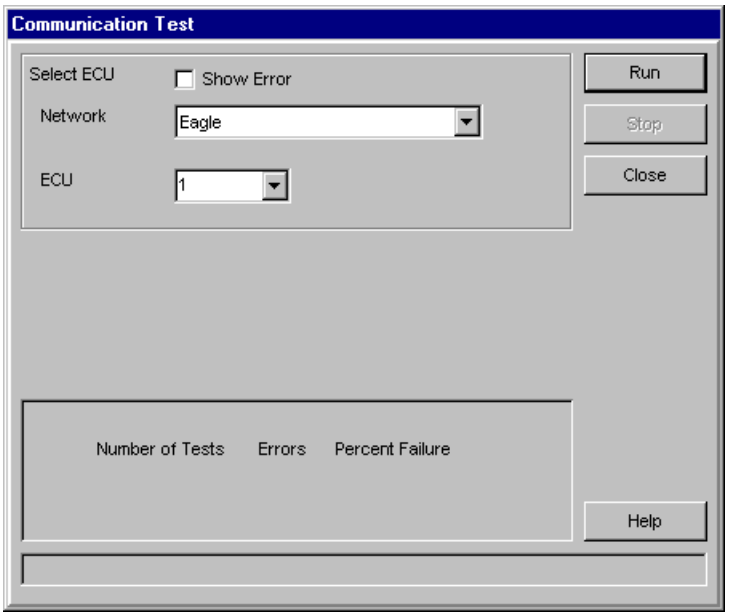
- ❑ See *Local Network Communication Problems* in the *Troubleshooting* section for a series of loopback tests you can perform to test each component of the computer-to-network connection.

Communication Test

The communication test verifies the communication on a network line to an ECU. The network must be set up in the software and the ECU number must be set at the ECU before you perform this test. It's a good idea to perform this test on every ECU in a network after you've set up the network and before you set up the ECU in the software.

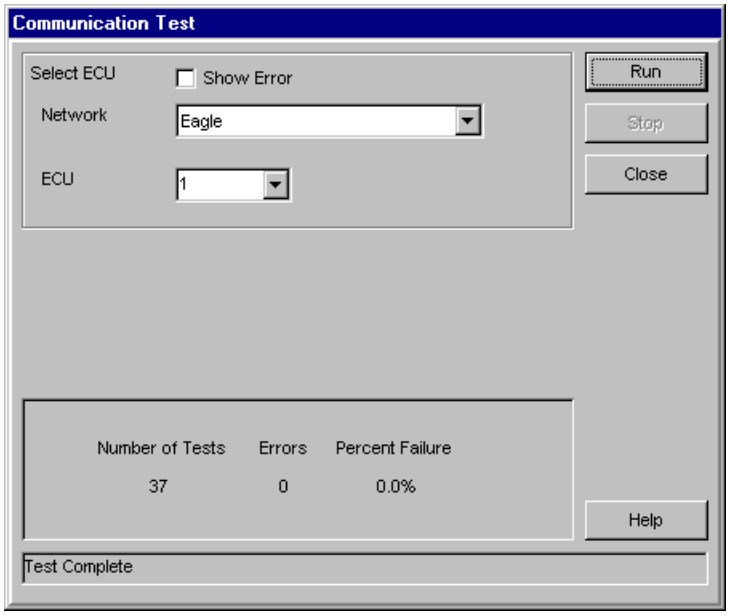
To perform a communication test:

1. Run **Manager**, **Report** or **Schedule**.
2. Pull down the **Diagnostics** menu and click **Communication Test...**.



You can type in the number of an ECU that hasn't been defined in the software, as long as the ECU is connected to the computer.

3. Select the name of the **Network**.
4. Select the number of the **ECU**.
5. Click **Run** to begin the test.



The communication test commences. You'll most likely see near 0% failure or exactly 100% failure. If you see failures, check the ECU number and baud rate set at the ECU. Perform a loopback test to make sure the COM port is working. You can also tighten cable connections while the communication test is running and observe any changes in the failure rate.

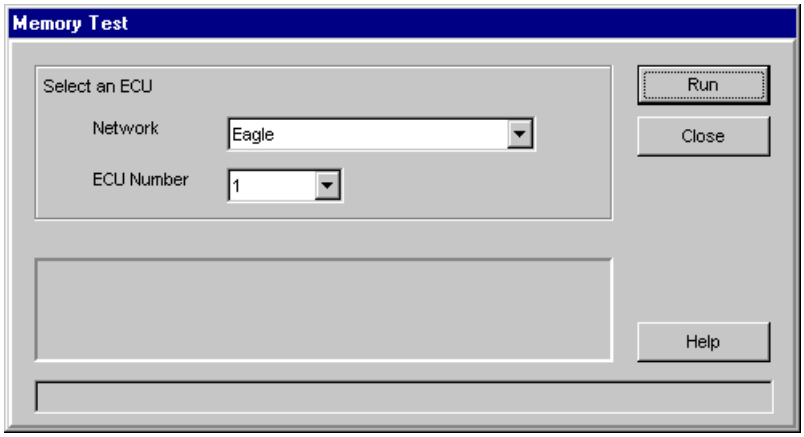
6. Click **Stop** to end the communication test.
7. Click **Close** to exit the **Communication Test** screen.

Memory Test

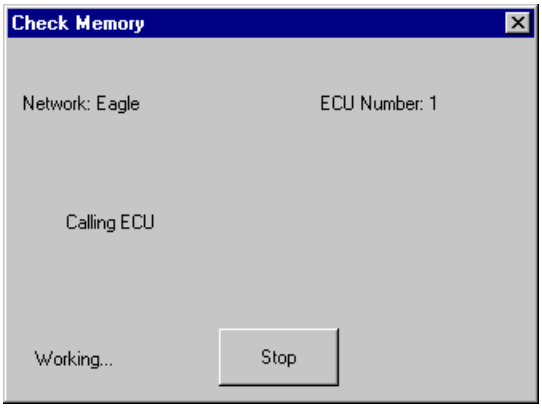
The memory test directs an ECU to perform a self-diagnostic memory test. Use this test if you suspect memory errors at the ECU are causing problems.

To perform a memory test:

1. Run **Manager**, **Report** or **Schedule**.
2. Pull down the **Diagnostics** menu and click **Memory Test...**.

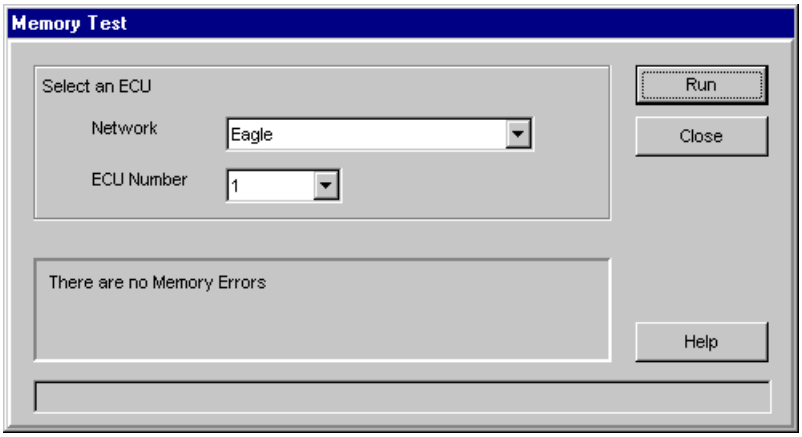


3. Select the name of the **Network**.
4. Select the number of the **ECU**.
5. Click **Run** to begin the test.



6. Wait while the memory test is performed.

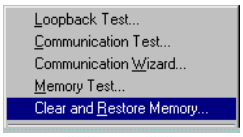
When the test ends, a message indicates if any memory errors were found. If there are memory errors, the ECU should be reinitialized. See *Clear and Restore Memory* in this section.



7. Click **Close** to exit the **Memory Test** screen.

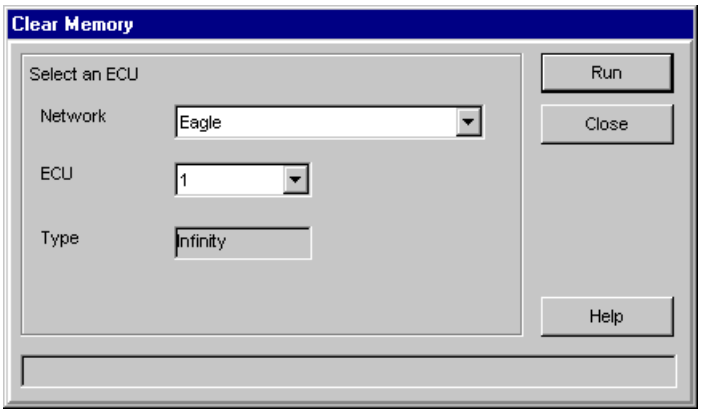
Clear and Restore Memory

Perform this operation when you want to clear all the information and reset the setup data at the ECU to match the data in the software. You should perform this operation if you encounter memory problems in an ECU, or you change the EPROM in an ECU or you replace an ECU. This operation clears all sales so you may want to run a Clear Sales Report to preserve existing sales data before you perform this operation.

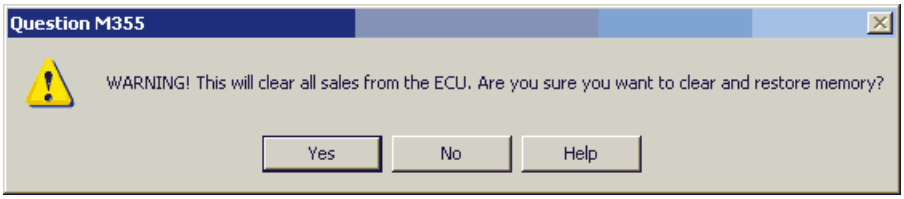


■ To clear and restore memory:

1. Run **Manager**.
2. Pull down the **Diagnostics** menu. Click **Clear and Restore Memory...**.



3. Select the name of the **Network**.
4. Select the number of the **ECU**.
5. Click **Run** to clear and restore the ECU's memory.



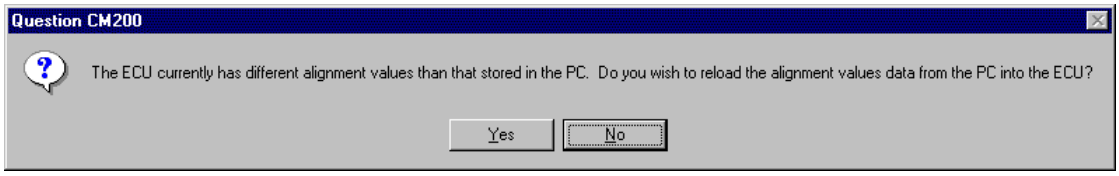
A warning message reminds you this operation clears all sales data from the ECU.

6. Click **Yes** to proceed or **No** to cancel.

7. Wait while the ECU's memory is cleared and restored.
8. Click **Close** to exit the **Clear and Restore Memory** screen.

Notes

- You may see a message informing you of differences between the ECU's data and the database at the computer. If your ECU's been having problems, it's usually best to reload data from the computer to the ECU.


Question CM200
The ECU currently has different alignment values than that stored in the PC. Do you wish to reload the alignment values data from the PC into the ECU?
Yes
No

Click **Yes** to continue or **No** to cancel the process.

- If you have Interface software installed, performing this operation also prompts you to load the driver to the ECU.
- If you have an All-Bottle ID dispenser, it must be in the off position when you clear and restore memory. Or, you may turn the dispenser off and then back on after you've restored memory to the ECU.

SECTION

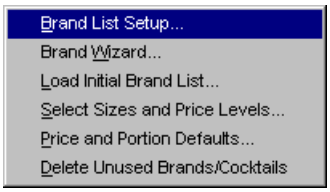
10 Brands, Cocktails, Prices and Portions

With the hardware and software of an **Infinity** system installed and communicating, you can assign specific brands to pour at each dispenser. First include all your brands in the brand list. Then enter the prices and portions for each brand and cocktail. Proceed by assigning specific brands to pour from each dispenser. After making dispenser assignments you should calibrate each dispenser to make sure all portion sizes pour accurately. (See the *Calibration* section.) Finally, assign any cocktails to Laser dispensers. This section provides help with the following tasks:

Add a New Brand 10-2
Add a New Cocktail 10-4
Modify Existing Brand(s) 10-6
Container Setup 10-8
Brand Prices and Portions 10-10
Multiple Brand Prices and Portions 10-13
TAP 1 Portions with Learn Mode 10-15
Cocktail Prices and Portions 10-18
Assign Brands to Dispensers 10-22
Assign Cocktails to Laser Dispensers 10-24
Copy ECU 10-26
Copy Dispenser 10-28
Copy Partition 10-30
Delete Unused Brands and Cocktails 10-32
What is Test Pour? 10-33

Add a New Brand

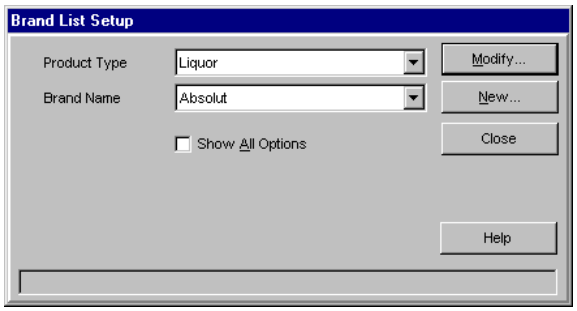
Berg includes a list of typical brands you can load using *Brand Wizard* or *Load Initial Brand List*. You can also add any brand to the list at any time. If you want to enter (or modify) setup information for brands already in the list see *Modify Existing Brand(s)* in this section.



■ To add a new brand:

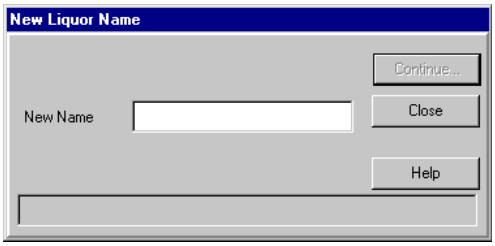
1. Run **Manager**.

2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Brand List Setup...**.



3. Select the **Product Type**.

4. Click **New...**.



5. Type the brand's name. It can be up to 19 characters.

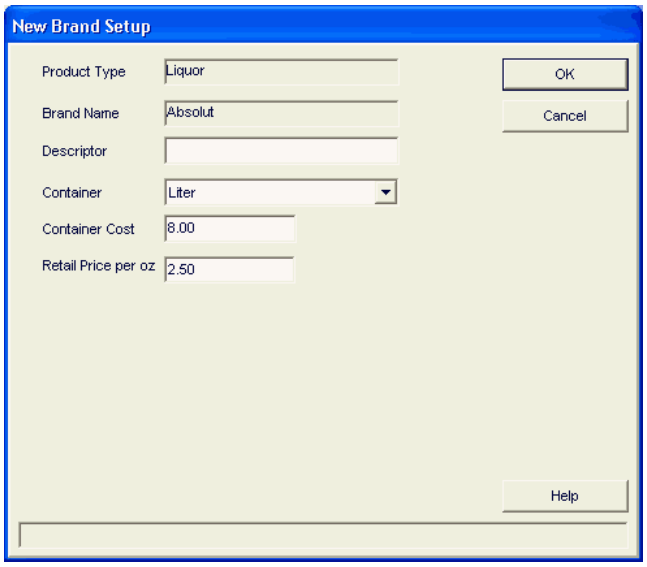
6. Click **Continue...** to proceed or click **Close** to exit.

7. Type a **Descriptor** (optional).

   This can be any entry (up to 19 characters). A descriptor's primary use is in sorting brands on a Column Selection report. For example, if you assign a "Vodka" descriptor to all vodka brands and a "Rum" descriptor to all rum brands, the brand list can be sorted by these liquor types.

8. Select the **Container**.

   Container is the name of the typical container the brand comes in. The number of containers poured appears on a Usage report.



Inventory

If you're using the Inventory feature, additional fields appear on this screen. See *Brand List Setup* in the *Inventory* section for a description of these entries.

9. Type the **Container Cost**.

   Container Cost is the cost (to you) of each container of the brand. It's used to calculate the potential pouring cost for the brand shown on a Usage report.

Container Setup

To specify the size of your containers or add new containers, see *Container Setup* in this section.

10. Type the **Retail Price per unit**.

    Retail Price per unit is the retail price the customer pays for each unit of measure of the brand. It's used to calculate retail value on the Retail Usage report and the Reconciliation report.

11. Select the **Viscosity**. (This may not appear on your system.)

    This field sets All-Bottle ID default cal values for the brand.

12. Click **OK** to save the brand. (Click **OK** even if you didn't make any entries to confirm you want the brand set up that way.) Click **Close** to exit the screen without saving.

13. Repeat steps 3-12 for each new brand you want to set up.

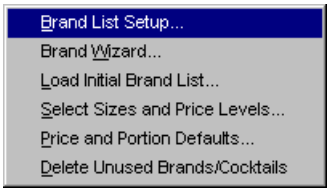
14. Click **Close** to exit the **Brand List Setup** screen.

Notes

- When you add a brand to the list, a category of prices and portions called "Standard" is automatically created for it using default prices and portion sizes.
- You can also add a new brand to the brand list when you are setting up prices and portions. See *Brand Price and Portion Setup* in this section.

Add a New Cocktail

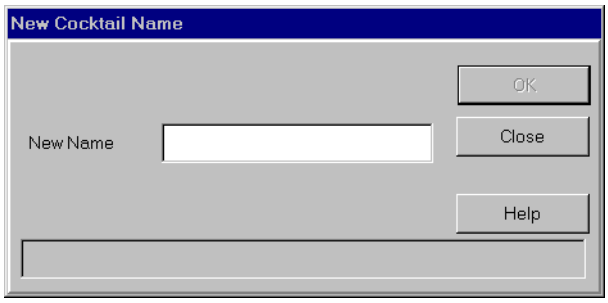
Berg includes a list of typical cocktails you can load on your system using *Brand Wizard* or *Load Initial Brand List*. If every cocktail you want to pour is already included on the list you don't need to perform this task. If you want to add a cocktail to the list all you need to know is the cocktail name. You define the cocktail's ingredients when you enter prices and portions. (See *Cocktail Prices and Portions* in this section.) If you want to delete a cocktail from the list see *Delete a Brand or Cocktail* in this section. Once your cocktail list is established, you need to tell the software which cocktails are poured at each Laser dispenser. See *Assign Cocktails to Dispensers* in this section.



To add a new cocktail:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Brand List Setup...**.

3. Select **Cocktail** for the **Product Type**.
4. Click **New...**.



5. Type the cocktail's name. It can be up to 19 characters.
6. Click **OK** to save the name or click **Close** to exit without saving.

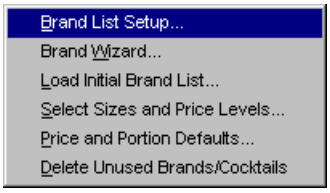
7. Repeat steps 4-6 for each new cocktail you want to set up.
8. Click **Close** to exit the **Brand List Setup** screen.

Notes

- When you add a cocktail to the list, a category of prices and portions called "Standard" is automatically created for it.
- You can also add a new cocktail to the brand list when you are setting up prices and portions. See *Cocktail Price and Portion Setup* in this section.

Modify Existing Brand(s)

You can modify a brand's setup attributes at any time. If you want to change a brand's name see *Rename a Brand or Cocktail* in this section.

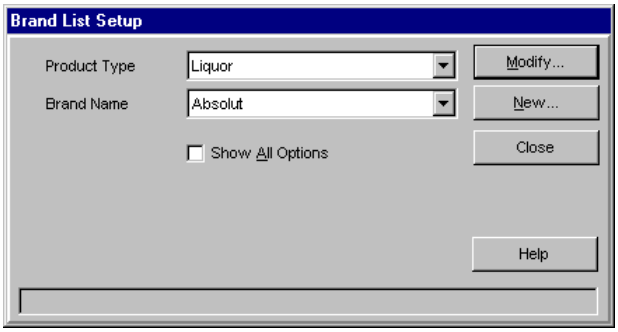


Inventory

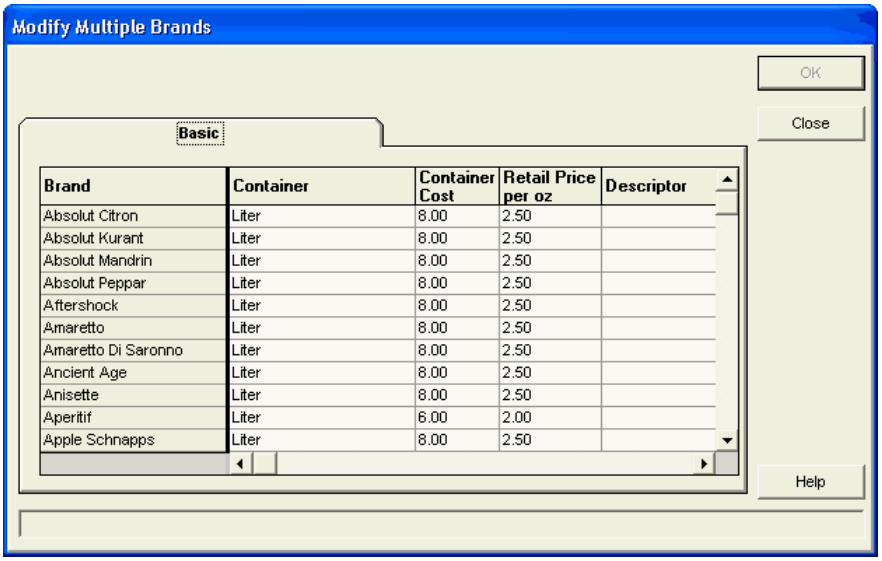
If you're using the Inventory feature, see *Brand List Setup* in the *Inventory* section for help modifying a brand's setup.

■ To modify a brand's setup:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Brand List Setup...**.



3. Click **Show All Options**.
4. Click **Multiple...**.



Brand	Container	Container Cost	Retail Price per oz	Descriptor
Absolut Citron	Liter	8.00	2.50	
Absolut Kurant	Liter	8.00	2.50	
Absolut Mandrin	Liter	8.00	2.50	
Absolut Peppar	Liter	8.00	2.50	
Aftershock	Liter	8.00	2.50	
Amaretto	Liter	8.00	2.50	
Amaretto Di Saronno	Liter	8.00	2.50	
Ancient Age	Liter	8.00	2.50	
Anisette	Liter	8.00	2.50	
Aperitif	Liter	6.00	2.00	
Apple Schnapps	Liter	8.00	2.50	

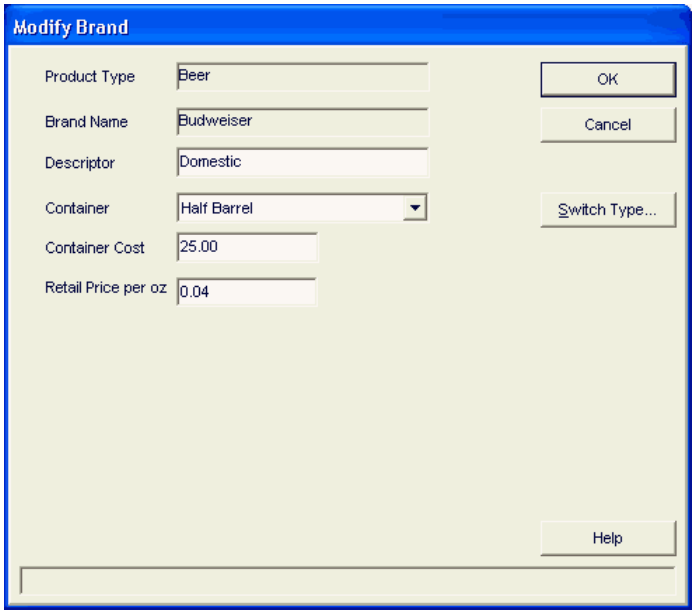
OR

Select the **Product Type** and the **Brand Name**.

Click **Modify...**.

Switch Type...

Click this button to change the product type designation for the brand. See *Switch Product Type* in the *Advanced Brand Operations* section.



Container Setup

To specify the size of your containers or add new containers, see *Container Setup* in this section.

5. Type a **Descriptor** (optional).

   This can be any entry (up to 19 characters). A descriptor's primary use is in sorting brands on a Column Selection report. For example, if you assign a "Vodka" descriptor to all vodka brands and a "Rum" Descriptor to all rum brands, the brand list can be sorted by these liquor types.

6. Select the **Container**.

   Container is the name of the typical container the brand comes in. The number of containers poured appears on a Usage report.

7. Type the **Container Cost**.

   Container Cost is the cost (to you) of each container of the brand. It's used to calculate the potential pouring cost for the brand shown on a Usage report. If you use the Inventory feature, container cost is also used in the Container Stock report and the Brand Information report.

8. Type the **Retail Price per unit**.

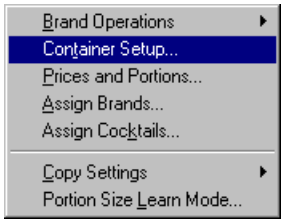
   Retail Price per unit is the retail price the customer pays for each unit of measure of the brand. It's used to calculate retail value on the Retail Usage report and the Reconciliation report.

9. Click **OK** to save your entries and exit the screen. Click **Close** to exit the screen without saving any changes.

10. Click **Close** to exit the **Brand List Setup** screen.

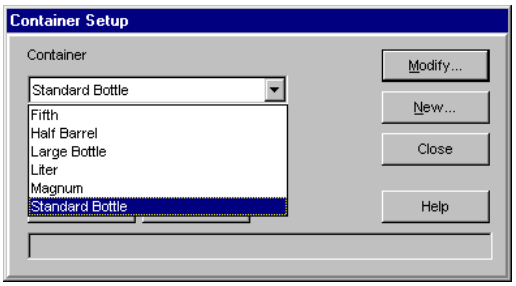
Container Setup

Use this form to specify the size of each of your containers. You can also create custom names for your containers. The container names you define in Container Setup can then be assigned to each brand. See *Modify Existing Brand(s)* in this section for help assigning container names to each brand. Container names appear on a Usage report and are useful for tracking inventory. (Any bottle sizes you defined in releases 3.xx will be converted to containers. Please check all container sizes if you're upgrading from a 3.xx **Infinity** release.)

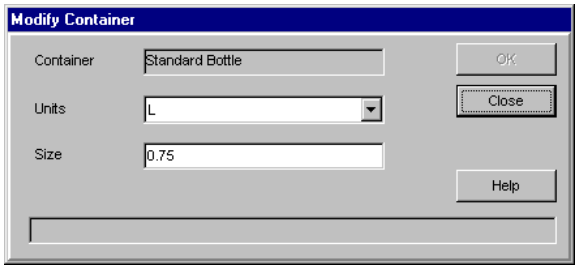


To modify a container's setup:

1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Container Setup...**.



3. Select a **Container** to modify.
4. Click **Modify...**.

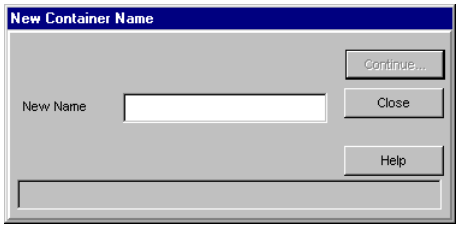


5. Select the **Units** of measure for the container.
6. Type in the **Size** of the container. (The size is the number of units.)
7. Click **OK**.

Inventory

If you're using the Inventory feature, see *Container Setup* in the *Inventory* section for help setting up containers.

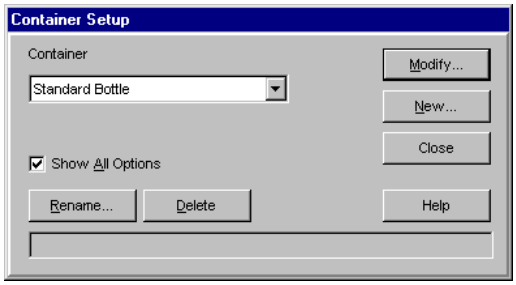
To add a new container:



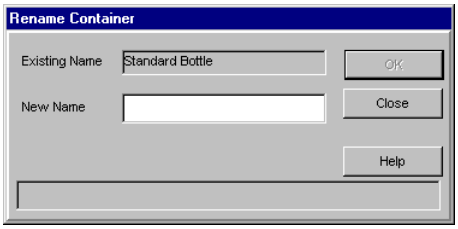
1. Click **New...**.
2. Type in the **New Name** of the container and click **Continue...**. See steps 5-7 above.

To rename or delete a container:

1. Select **Show All Options**.

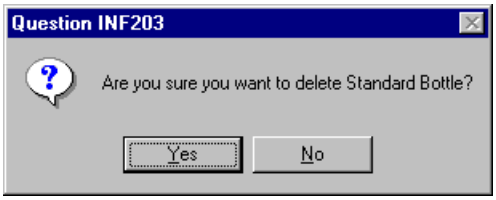


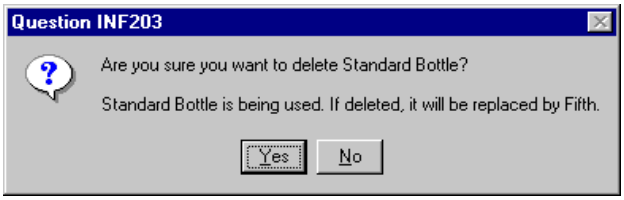
2. Click **Rename...**.
3. Type in the **New Name** of the container and click **OK**.



OR

2. Click **Delete**.
3. Click **Yes**.

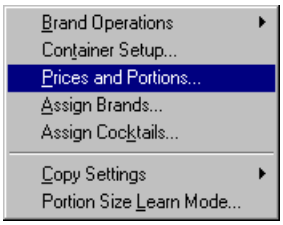



Question INF203
Are you sure you want to delete Standard Bottle?
Standard Bottle is being used. If deleted, it will be replaced by Fifth.
Yes
No

4. If you delete a container already assigned to a brand a prompt reminds you. Click **Yes** to delete the container or **No** to keep it. If you proceed with the deletion, any brands with the container assignment receive another container assignment as shown in the message.

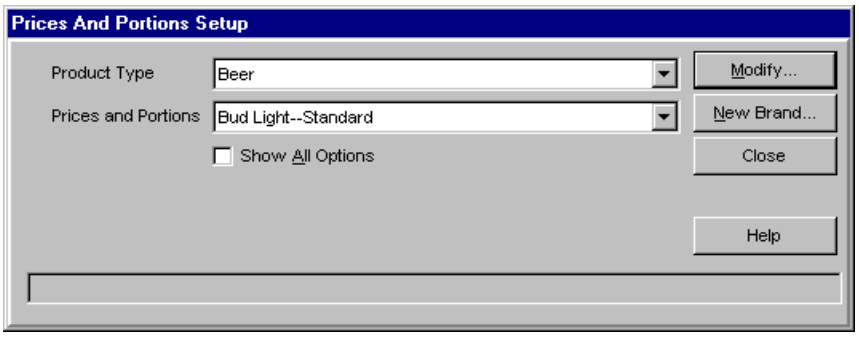
Brand Prices and Portions

Prices and portions are always associated with a brand in **Infinity**; they are never defined independently. Each brand's initial prices and portions are called its "Standard" category of prices and portions, e.g., Budweiser—Standard refers to the standard price/portion category of the Budweiser brand. Default prices and portions (for the product type) are assigned to all price levels of a brand when it is added to the brand list and these defaults are given the name "Standard". You click **Modify...** to make changes to the currently defined prices and portions for the brand. See also *Import Brand Prices and Portions* in the *Advanced Brand Operations* section.



To modify a brand's prices and portions:

1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.



Multiple...

To modify the prices and portions of all brands of a product type, see *Multiple Brand Prices and Portions* in this section.

3. Select the **Product Type**.
4. Select the brand's **Prices and Portions** you want to change. (If you haven't defined any other prices and portions, Standard is the only choice.)

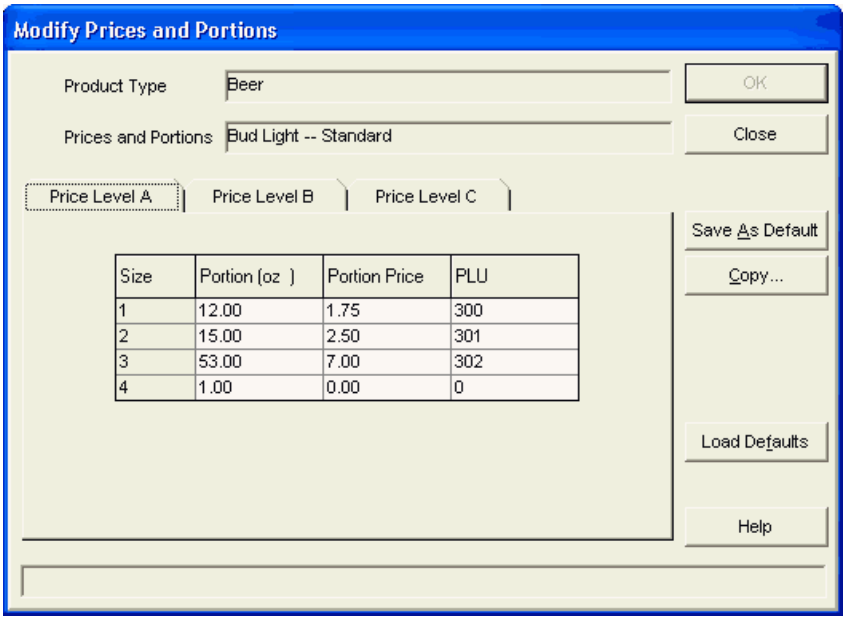
   OR

   If you want to add a new brand to the brand list and set up its prices and portions click **New...** and follow the steps outlined in *Add a Brand or Cocktail* in this section.
5. Click **Modify...**.
6. Click a **Price Level** tab that has prices and/or portions you want to change.

Price Levels

Price levels are optional tiers of prices and portions that can be defined to accommodate various needs. Some owners don't use price levels; others use them for switching between happy hour, regular and entertainment pricing; still others use them to track shift sales.

TAP 1 prices and portions



OR

Click **Load Defaults** to load your default prices and portions (for this product type) on the **Price Level** tabs. Then proceed with step 10 (if you don't want to make any other changes).

7. Type the correct **Portion** and **Price** for each **Size** listed on the tab. The number of sizes and price levels varies according to dispenser type. You don't need to type a decimal if you're entering a whole number, e.g., type 6 for 6.00 oz, or 2 for $2.00.

   If you need to assign PLUs to your brands (e.g., you're using Interface or the Reconciliation report), see *Assign PLUs to Brands and Cocktails* in the *Advanced Brand Operations* section.

8. Repeat steps 6 and 7 for any **Price Level** tab that has prices and/or portions you want to change.

9. Click **Save As Default** if you want to save the prices and portions you just entered (on all tabs) as the default prices and portions for this product type.

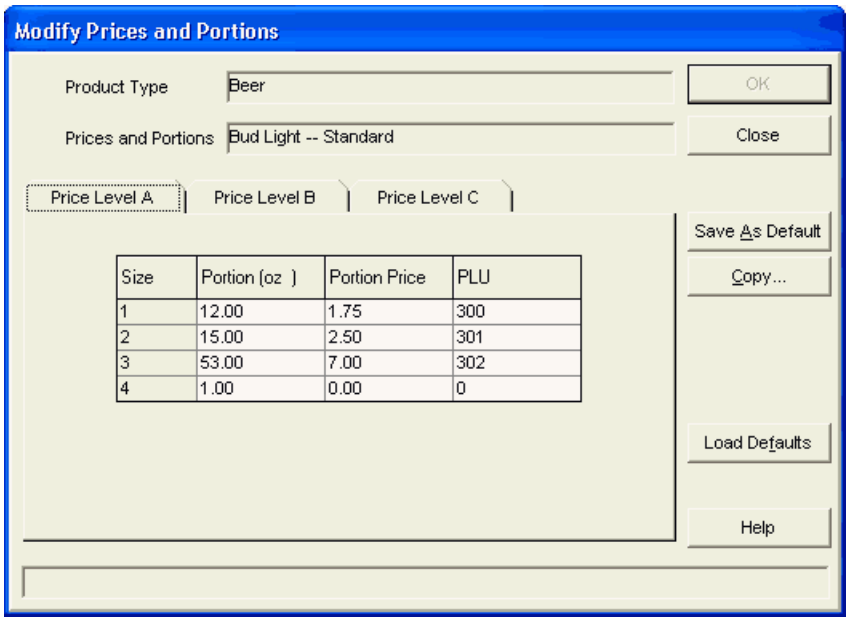
   This feature lets you copy prices and portions from one brand to another brand of the same product type. You copy to the other brand using **Load Defaults**.

(continued on next page)

Default Prices and Portions

- Defaults are base prices and portions which are entered for each brand when the brand is added to the brand list.
- If you click **Load Defaults** the prices and portions displayed are whatever defaults are currently defined for the product type.
- Berg's default prices and portions are used if you don't set your own defaults.
- You can set your own default prices and portions for each product type using any of the following methods:

1. Load the initial brand list using the **Brand Wizard**.
2. Use the **Price and Portion Defaults** menu item.
3. Use the **Save As Default** button on the **Modify Prices and Portions** screen.



This does not change the prices and portions of brands that currently have default prices and portions. However, it does mean any new brand you add to the brand list of this product type is assigned the prices and portions you save as default prices and portions.

10. Click **Copy...** if you want to copy the prices and portions you just entered (on all tabs) to selected brands of the product type.

    Select brands you want to receive the copy from the list. Click **Continue...**. A message line informs you when the copy is complete.

11. Click **OK** to save your entries on all tabs. Click **Close** to exit the screen without saving.

12. Click **Close** to exit the **Prices and Portions Setup** screen.

Notes

- To create a different set of prices and portions for a brand see *Create a New Price Portion Category* in the *Advanced Brand Operations* section.

- **Brand Assignments** popup screen: If you've already assigned the brand to dispensers, a list of dispenser assignments appears when you save any changes to the brand's prices and portions. Click **Continue...** to confirm the changes and send the prices and portions to all the ECUs with dispensers where the brand is assigned.

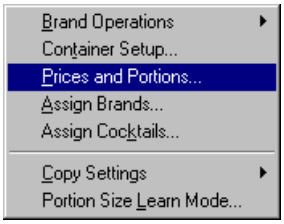
- In order to ensure accurate portions, Berg recommends calibrating each brand. See the *Calibration* section.

Multiple Brand Prices and Portions

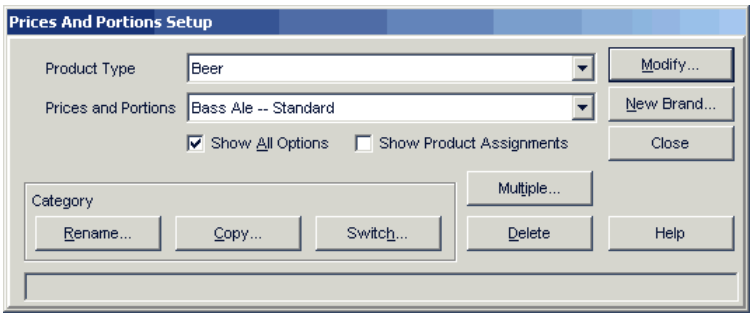
You can modify the prices and portions of several brands of the same product type from a single screen. See *Import Brand Prices and Portions* in the *Advanced Brand Operations* section for help importing the prices and portions of multiple brands.

To modify multiple brands' prices and portions:

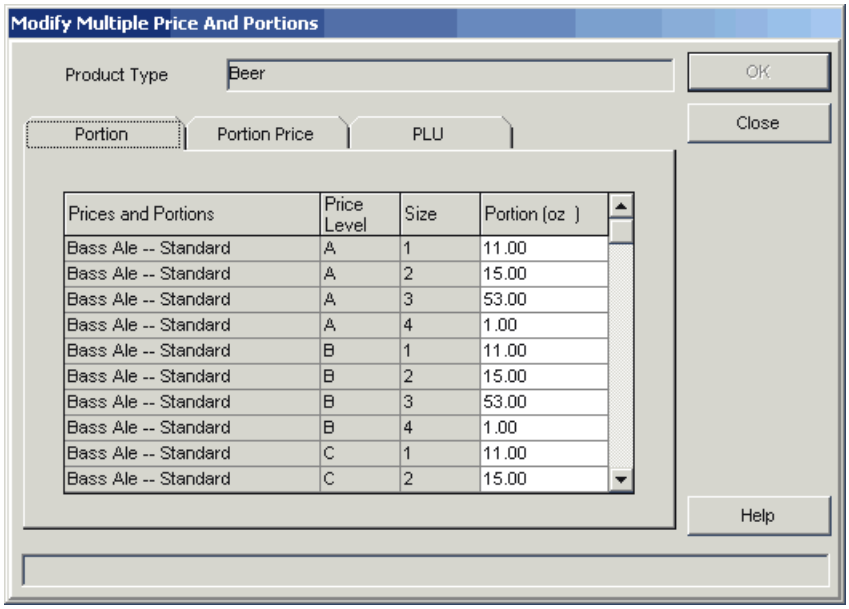
1. Run **Manager**.



2. Pull down the **Pouring** menu and click **Prices and Portions...**.



3. Select a **Product Type**.
4. Click **Show All Options**.
5. Click **Multiple...**.

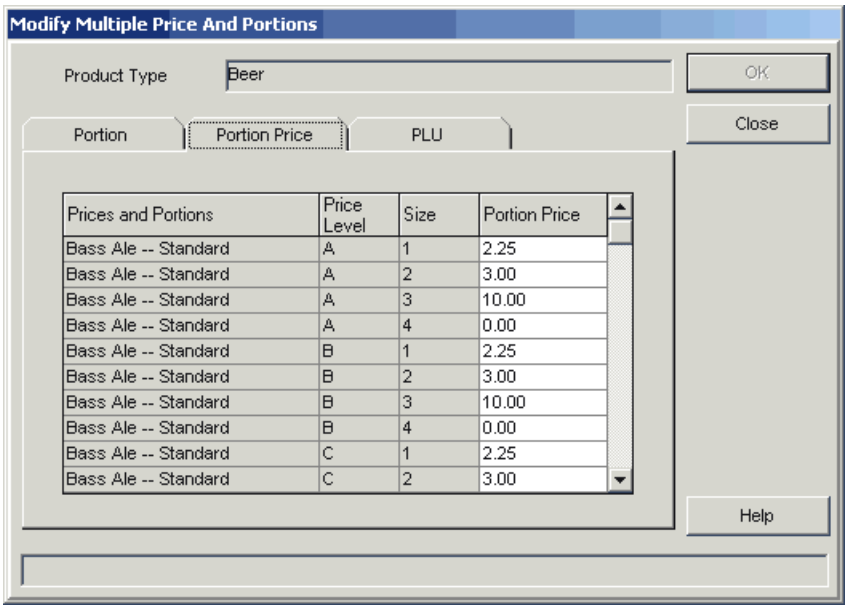

Modify Multiple Price And Portions
Product Type
Beer
OK
Close
Portion
Portion Price
PLU
Prices and Portions
Price Level
Size
Portion (oz)
Bass Ale -- Standard A 1 11.00
Bass Ale -- Standard A 2 15.00
Bass Ale -- Standard A 3 53.00
Bass Ale -- Standard A 4 1.00
Bass Ale -- Standard B 1 11.00
Bass Ale -- Standard B 2 15.00
Bass Ale -- Standard B 3 53.00
Bass Ale -- Standard B 4 1.00
Bass Ale -- Standard C 1 11.00
Bass Ale -- Standard C 2 15.00
Help

6. Select the **Portion** tab.

(continued on next page)

7. Type the correct **Portion** for each Size at each Price Level listed on the tab. The number of sizes and price levels varies according to dispenser type. You don't need to type a decimal if you're entering a whole number, e.g., type 6 for 6.00 oz, or 2 for $2.00.

8. Select the **Portion Price** tab.


Modify Multiple Price And Portions
Product Type
Beer
OK
Close
Portion
Portion Price
PLU
Prices and Portions
Price Level
Size
Portion Price
Bass Ale -- Standard A 1 2.25
Bass Ale -- Standard A 2 3.00
Bass Ale -- Standard A 3 10.00
Bass Ale -- Standard A 4 0.00
Bass Ale -- Standard B 1 2.25
Bass Ale -- Standard B 2 3.00
Bass Ale -- Standard B 3 10.00
Bass Ale -- Standard B 4 0.00
Bass Ale -- Standard C 1 2.25
Bass Ale -- Standard C 2 3.00
Help

9. Type the correct **Portion Price** for each Size at each Price Level listed on the tab.

10. Select the **PLU** tab only if you need to assign PLUs to your brands (e.g., you're using Interface or the Reconciliation report). See *Assign PLUs to Brands and Cocktails* in the *Advanced Brand Operations* section.

11. Click **OK** to save your entries on all tabs. Click **Close** to exit the screen without saving.

12. Repeat steps 3-11 for each product type.

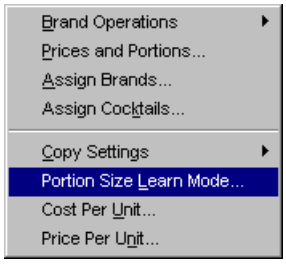
12. Click **Close** to exit the **Prices and Portions Setup** screen.

Set Up TAP 1 Portions with Learn Mode

Learn mode is a feature of TAP 1 ECUs that can help you set up initial portion sizes for tap controllers. It is especially helpful when the owner knows the glass or mug he wants to use for a particular button but is not sure of the exact portion size. In learn mode, you can pour a glass as full as you want and **Infinity** calculates the volume of the pour and automatically sets up the portion size. If you use learn mode to set up portion sizes you should assign brands to taps first. You still have to set up prices for the brands poured at TAP 1 ECUs. **Be sure to calibrate your system before using learn mode since the accuracy of your portion sizes is based on your system's calibration. Learn mode does not calibrate your system.**

To set up TAP 1 portion sizes using learn mode:

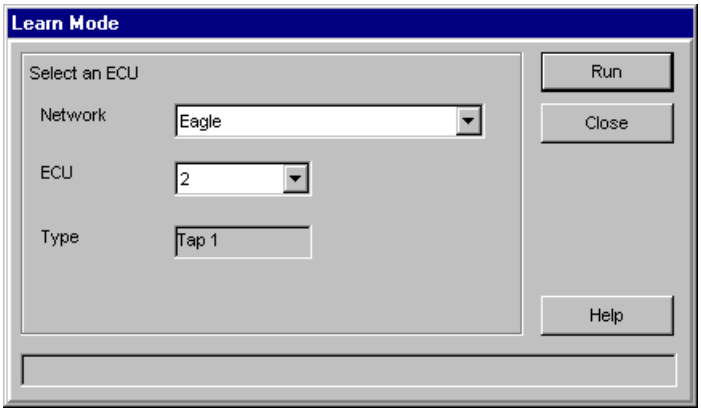
1. Run **Manager**.



2. Pull down the **Pouring** menu and click **Portion Size Learn Mode...**.

Calibration

If you attempt to use Learn Mode without calibrating, you'll be reminded to calibrate first.



3. Select the **Network**.
4. Select the number of the **ECU**.
5. Click **Run**.

6. Click **OK** when you've read the message confirming learn mode.

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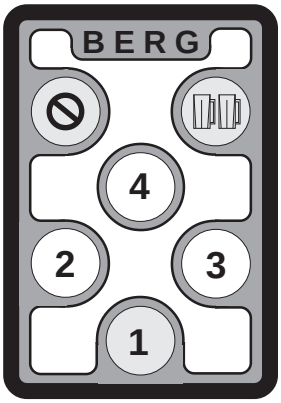
The ECU you have selected is now in learn mode. The lights behind the cancel and repeat buttons at the taps go out.



7. Go to any tap connected to the ECU in learn mode. Select the appropriate glass for a portion size button and press the button to begin the pour.

   The light behind the button goes out and beer continues to pour until you stop the pour.

8. Press the same button again to stop the pour.

9. If you're not satisfied with the amount poured in the glass, discard the contents of the glass and pour again. Each time the pour is repeated it erases the data from the previous attempt (for that button).

10. Repeat steps 7-9 for the other portion size buttons at the tap (using the appropriate glass size for each button).

11. Repeat steps 7-10 for any other taps that need defined portions.

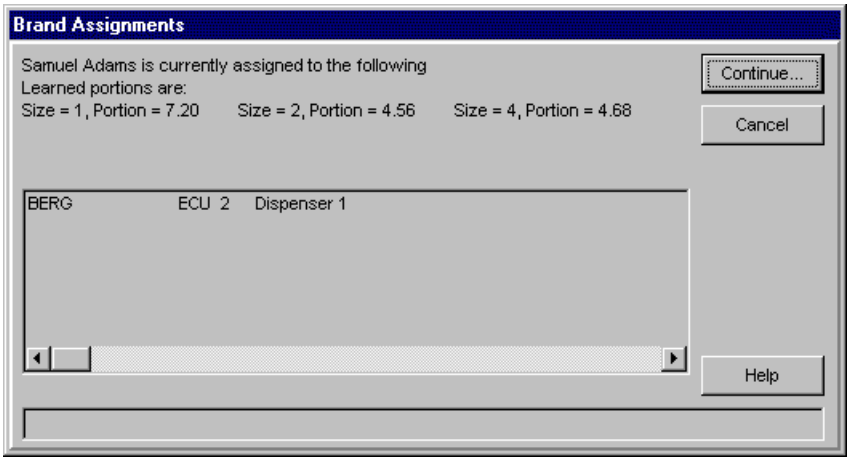
    You only need to pour at other taps if you expect to use different glassware at those taps. Otherwise you can just define the portions at one tap with learn mode and save them as defaults and load them to taps that pour other brands but use the same portion sizes. See *Copy Dispenser*, *Copy Partition* and *Brand Prices and Portions* in this section.

12. Press the cancel button at any tap connected to the ECU when you are satisfied with the amounts poured for all the buttons at the tap(s). The lights behind the cancel and repeat buttons come back on.

Price Levels

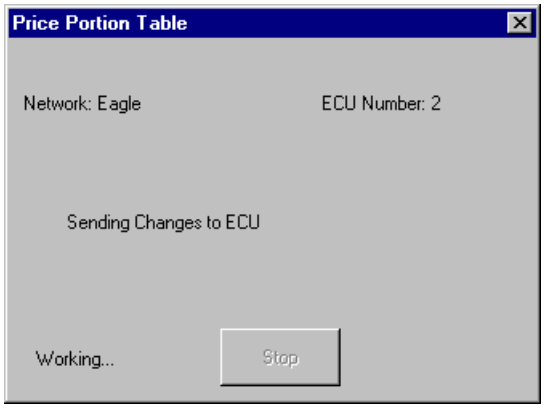
The portion sizes entered with learn mode will be used for all 3 price levels.

A separate **Brand Assignments** screen appears for each brand you've changed.



13. Click **Continue...** to confirm sending learn mode portion size changes to each tap listed. Click **Close** to exit and lose any learn mode portion sizes for that brand only.

    Wait while the changes are communicated to the ECU(s).



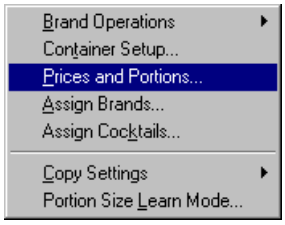
14. Click **Close** to exit the **Learn Mode** screen.

Notes

- You can refine portion sizes set with learn mode using the Modify Prices and Portions screen. For example, if 10.02 ounces is poured in learn mode, you can modify the portion size to 10 ounces to make accounting easier. See *Brand Price and Portion Setup* in this section.
- Portions poured in learn mode aren't recorded as sales in the ECU.

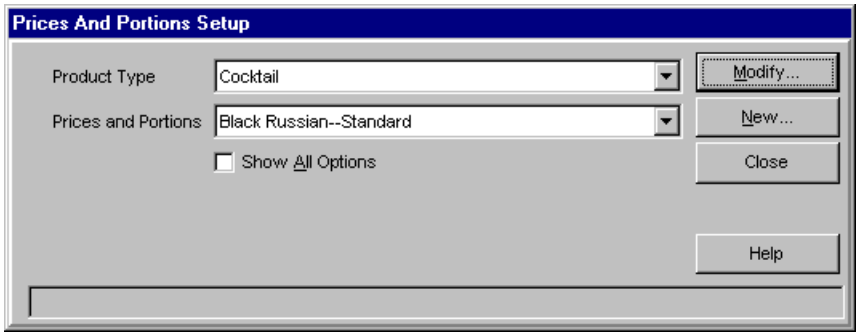
Cocktail Prices and Portions

Cocktail prices and portions are always associated with a cocktail name in **Infinity**; they are never defined or used independent of a cocktail. Each cocktail is assigned a category of prices and portions called "Standard", e.g. Black Russian--Standard refers to the standard prices and portions set up for the Black Russian cocktail. These standard prices and portions include three price levels. You can define default prices and ingredient portions for cocktails. See the *Brand Wizard* section or *Price and Portion Defaults* in this section. You can add a cocktail to the brand list at the time you enter prices and portions. You can enter a cocktail's prices and portions before or after you assign the cocktail to a dispenser, but either way you must be sure the brands used in the cocktail are included on the Laser gun. See also *Importing Cocktail Prices and Portions* in the *Advanced Brand Operations* section.



■ To enter or change a cocktail's prices and portions:

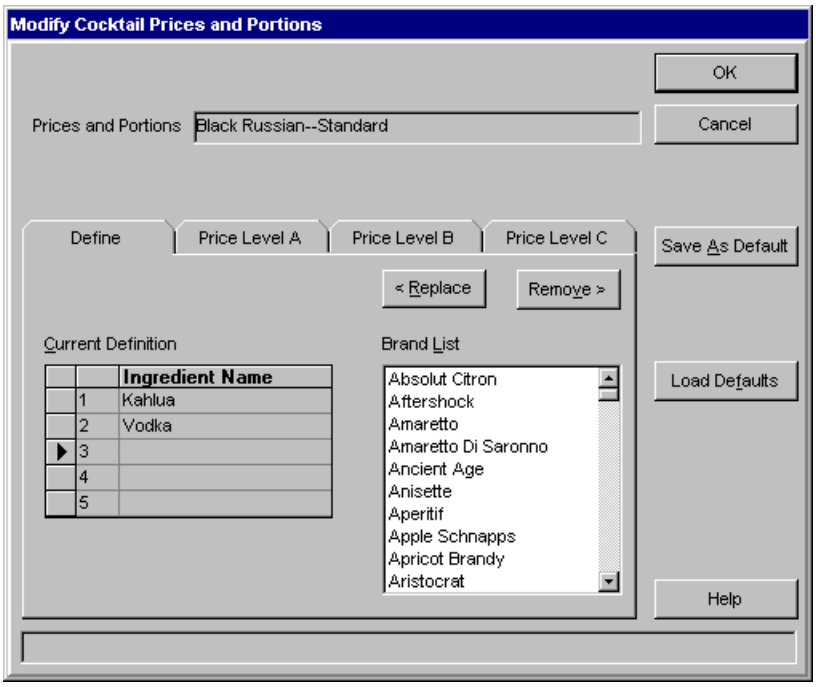
1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.



3. Select **Cocktail** as the **Product Type**.
4. Select the cocktail's **Prices and Portions**. (If you haven't defined any other prices and portions, Standard is the only choice.)

   OR

   If you want to add a new cocktail to the list and set up its prices and portions click **New...** and follow the steps outlined in *Add a Brand or Cocktail* in this section.
5. Click **Modify...**.



6. On the **Define** tab, select a brand in the **Brand List** that is an ingredient in the cocktail.
7. Click **<Replace** to add the selected brand to the **Current Definition** list of the cocktail or drag and drop the brand from the **Brand List** to the **Current Definition**.
8. Click **>Remove** to remove a selected brand from the **Current Definition** or drag and drop the brand from the **Current Definition** to the **Brand List**.
9. Repeat steps 6-8 for the remaining brands in the cocktail.
10. Click a **Price Level** tab that has prices and/or portions you want to change.

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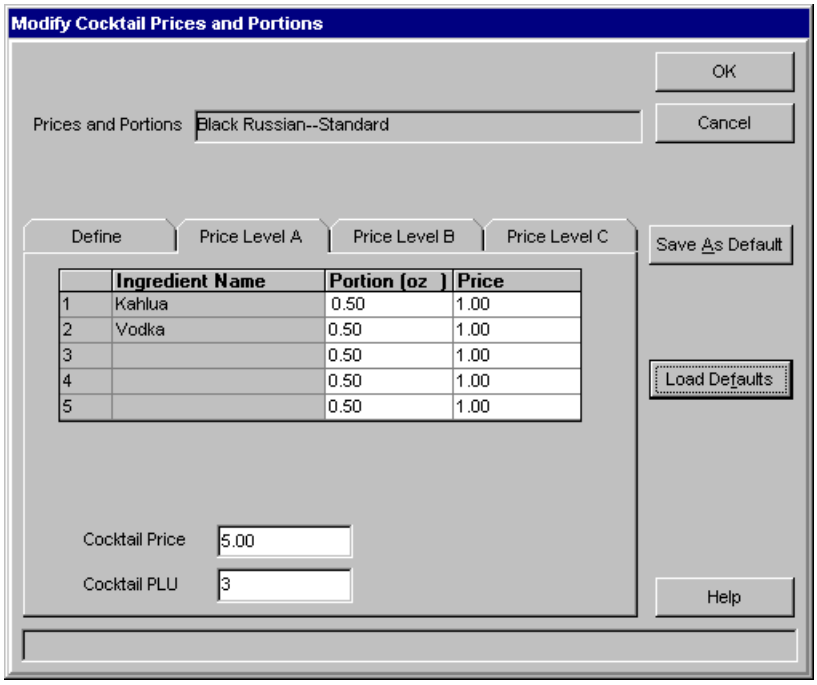
Price Levels

Price levels are optional tiers of prices and portions that can be defined to accommodate various needs. Some owners don't use price levels; others use them for switching between happy hour, regular and entertainment pricing; still others use them to track shift sales.



Default Prices and Portions

- Defaults are base prices and portions which are entered for each brand when the brand is added to the brand list.
- If you click **Load Defaults** the prices and portions displayed are whatever defaults are currently defined for the product type.
- Berg's default prices and portions are used if you don't set your own defaults.
- You can set your own default prices and portions for each product type using any of the following methods:

1. Enter price and portion defaults using the **Brand Wizard**.
2. Use the **Price and Portion Defaults** menu item.
3. Use the **Save As Default** button on the **Modify Prices and Portions** screen.

11. Type the correct **Portion** and **Price** for each **Ingredient Name** listed on the tab. (You don't need to type a decimal if you're entering a whole number, e.g. type 6 for 6.00 oz, or 2 for $2.00.)

    You must enter a **Portion** size for each ingredient to tell the dispenser how to pour the cocktail.

    Ingredient **Prices** are an optional entry and should be the retail value of the amount of the brand used in the cocktail. Ingredient prices are only used in a Usage report. In the report the ingredient price is multiplied by the number of cocktails poured and added to the sales total for the brand. The total of the ingredient prices may or may not equal the price of the cocktail.

12. Type the correct **Cocktail Price** for the displayed price level.

    If you are installing an interface between **Infinity** and a sales terminal or POS system see the *Infinity/Sales Terminal Interface Manual* for help with entering PLUs in **Infinity**.

13. Repeat steps 10-12 for any **Price Level** tab that has prices and/or portions you want to change.

14. Click **OK** to save your entries on all tabs. Click **Close** to exit without saving.

15. Click **Close** to exit the **Prices and Portions Setup** screen.

Notes

- ❑ You can build your cocktail prices based on the ingredients used. The more expensive the liquor, the higher the price that is charged.

Example: The following brand prices are established:

Bar Vodka	Regular portion	$2.00
Call Vodka (Smirnoff)	Regular portion	2.25
Premium Vodka (Absolut)	Regular portion	2.50
Kahlua (premium cordial)	Small portion	1.25

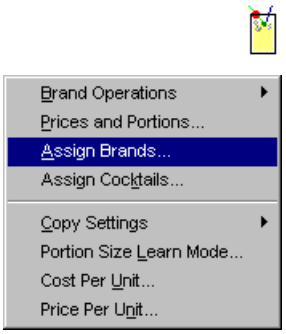
If a customer orders a Black Russian, the price could be built as follows:

Bar Vodka Black Russian	2.00 + 1.25 = 3.25
Call Vodka Black Russian	2.25 + 1.25 = 3.50
Premium Vodka Black Russian	2.50 + 1.25 = 3.75

- ❑ If you need more prices and portions for a cocktail than the three price levels of its standard prices and portions see *Create a New Price Portion Category* in this section.

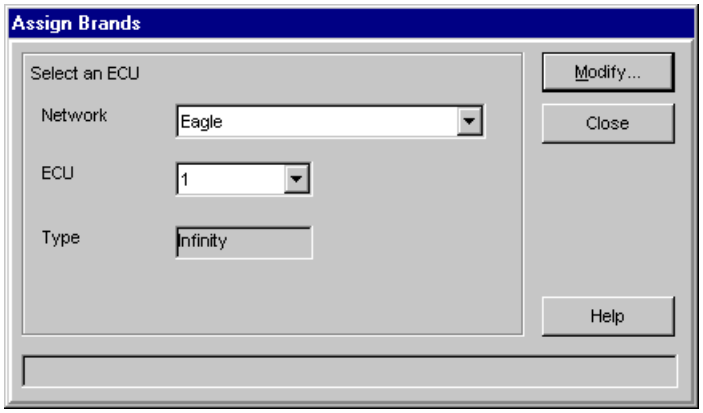
Assign Brands to Dispensers

Assign brands to specific dispensers after you've added any new brands to your brand list. Test Pour is automatically assigned to all dispensers when you set up new ECUs so you can test the equipment. You replace Test Pour when you assign your brands. See *What is Test Pour?* in this section.



To assign brands to dispensers:

1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Assign Brands...**.



3. Select the **Network**.
4. Select the number of the **ECU**.
5. Click **Modify...**. (You are modifying the current assignments.)
6. To assign brands to an Infinity ECU, click the correct Laser or All-Bottle dispenser tab.
7. Select the brand you want to assign to **Button 1** (Laser guns), OR pourer **Code 1** (All-Bottle) OR **Disp. 1** (tap controllers).
8. Click **<Assign** to assign the selected brand to the number **1** position on the dispenser. (Or drag and drop the selected brand to the dispenser/button/code.)
9. Repeat steps 7-8 for the remaining **Button**, **Code** or **Disp.** numbers.
10. To remove a brand from a dispenser, select the brand and click **>Remove**. (Or drag and drop the selected brand to the brand list.) This sets <None> as the brand assignment. If you don't assign another brand in that position, the gun button, pourer code or tap will not pour.

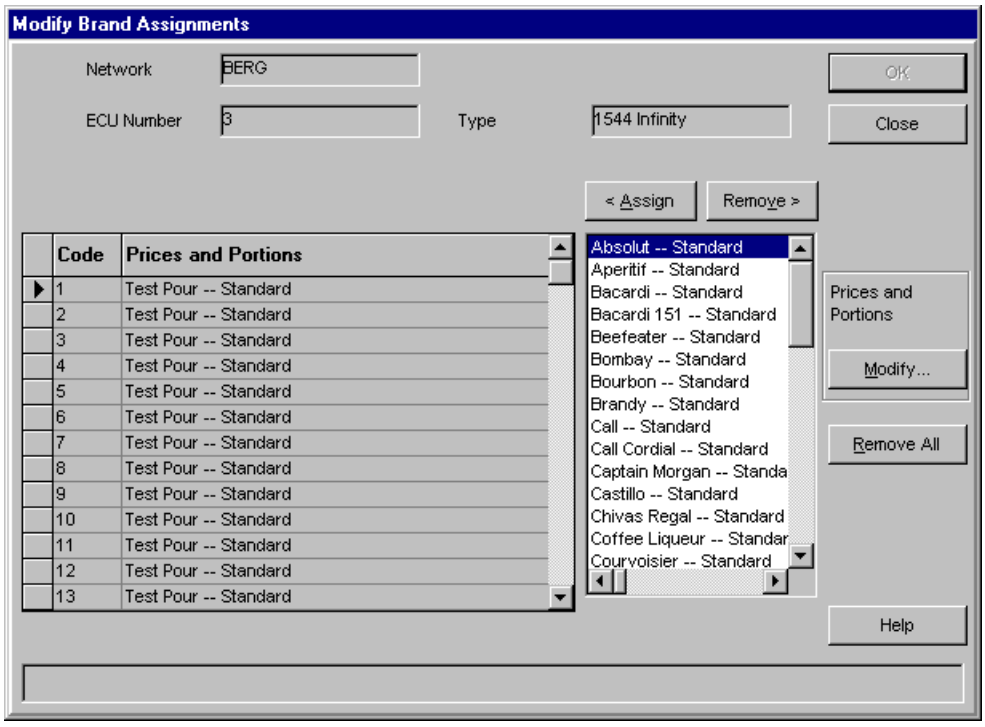
Product Types

Product types are categories **Infinity** uses to organize the brand list.

- **Beer** can only be assigned to TAP 1 dispensers.
- **Cocktails** can only be assigned to Laser dispensers.
- **Liquor** can be assigned to Laser or All-Bottle dispensers.
- **Mixers** can be assigned to any dispenser.
- **Other** can be assigned to any dispenser.
- **Wine** can be assigned to any dispenser.

Brand Selection

To quickly jump to a brand in the list, click anywhere in the list and type the first few letters of the brand name. This scrolls the list close to the brand.



11. Repeat steps 6-10 for each dispenser tab of an Infinity ECU.
12. Click **OK** to save the brand assignments for all dispensers connected to the ECU. Click **Close** to exit the screen without saving any changes.
13. Repeat steps 3-12 for each ECU. Or, to copy identical dispenser assignments to another ECU see *Copy ECU*, *Copy Dispenser* or *Copy Partition* in this section.

Shortcut Button

Click **Modify...** to modify prices or portions for a specific brand. This is a shortcut button that gives you access to the **Modify Prices and Portions** screen without exiting the **Modify Brand Assignments** screen. Follow the steps outlined in *Brand Prices and Portions* in this section.

Notes

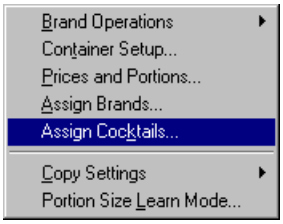
- If you don't use a Laser gun button, All-Bottle pourer code or TAP 1 tap, remove any brand assignments (including Test Pour) to disable the button, pourer code or tap.
- If you change brand assignments later, be sure to clear sales at the ECU first. If you don't clear sales first, all sales for the first brand will show up on reports under the new brand's name.
- Every All-Bottle ID dispenser shares the same set of assigned brands.
- **Sales Present** popup screen: If you remove an assignment for a brand that has sales, a message informs you of the sales. You can remove the brand or cancel out of the process.
- **Required Brands** popup screen: You can't remove a brand from a Laser gun if it's used in a cocktail recipe assigned to the gun. A message appears reminding you of the cocktail assignment(s) if you attempt to remove the brand.

Assign Cocktails to Laser Dispensers

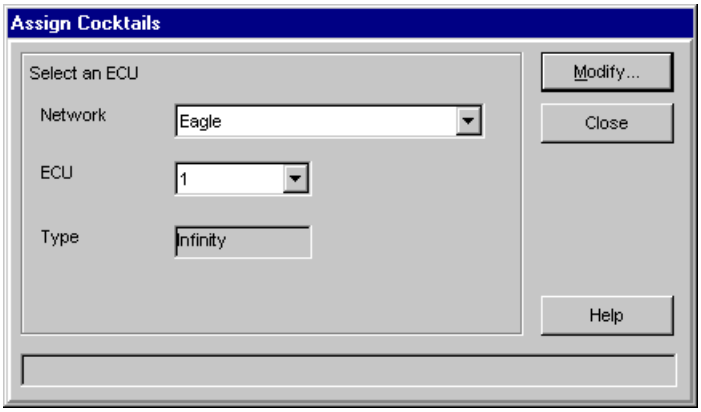
Assign cocktails to Laser dispensers after you've added any new cocktails to the brand list and after you've assigned brands to dispensers. A cocktail is a combination of brands so you must be sure those brands are assigned to the Laser dispenser and will be available for the cocktail. Berg recommends defining cocktail prices and portions before assigning cocktails to Laser dispensers.

To assign cocktails to Laser dispensers:

1. Run **Manager**.



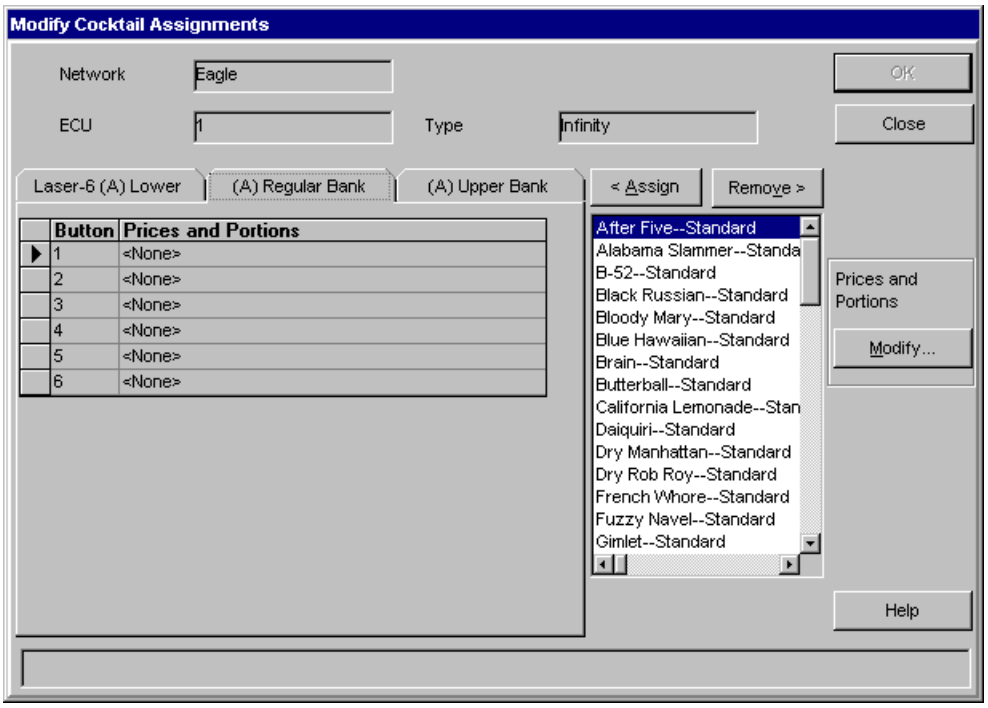
2. Pull down the **Pouring** menu and click **Assign Cocktails...**.



3. Select the **Network**.
4. Select the number of the **ECU**.
5. Click **Modify...**.
6. Click the tab for a selected **Bank** of cocktails on the correct **Laser** dispenser.

   The three cocktail banks represent the three levels of cocktails available at the Laser gun using the up and down arrow buttons. The cocktail banks can correspond to the size of the cocktails if you choose.

   Use the **Regular** bank of cocktails for those poured most often. This bank does not require an extra button press on the Laser gun. The **Lower** bank is accessed with the down arrow button and the **Upper** bank with the up arrow button. The number of cocktails you can assign to each bank is the number of buttons on the Laser gun–6,12 or 16. (If you use button 16 switching on a Laser 16 gun you can assign 15 cocktails to each bank.)



7. Select the cocktail you want to assign to **Button 1**.
8. Click **<Assign** to assign the selected cocktail to **Button 1**.(Or drag and drop the selected cocktail in place.)
9. Repeat steps 7-8 for the remaining **Button** numbers.
10. To remove a cocktail from a button, select the cocktail and click **>Remove**.(Or drag and drop it back to the cocktail list.)
11. Repeat steps 6-10 for each bank of each Laser dispenser connected to the ECU.
12. Click **OK** to save the cocktail assignments for all dispensers connected to the ECU. Click **Close** to exit the screen without saving any changes.

    If any brands needed to pour an assigned cocktail are missing from the Laser gun, a popup message (**Missing Ingredient Assignments**) reminds you. You can click **Continue...** to assign the missing brands to the gun or click **Close** to exit the cocktail assignment process.
13. Repeat steps 3-12 for each Infinity ECU with Laser dispensers. Or, to assign identical cocktails to a different Laser dispenser see *Copy ECU* or *Copy Dispenser* in this section.

Shortcut Button

Click **Modify...** to modify prices or portions for a specific brand. This is a shortcut button that gives you access to the **Modify Prices and Portions** screen without exiting the **Modify Brand Assignments** screen. Follow the steps outlined in *Brand Prices and Portions* in this section.

PLU Recipe

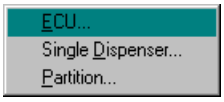
If you've enabled the Reconciliation report feature, all ECUs display a tab for PLU Recipes. See *About PLU Recipes* in the *Reconciliation and Variance Reports* section.

Copy ECU

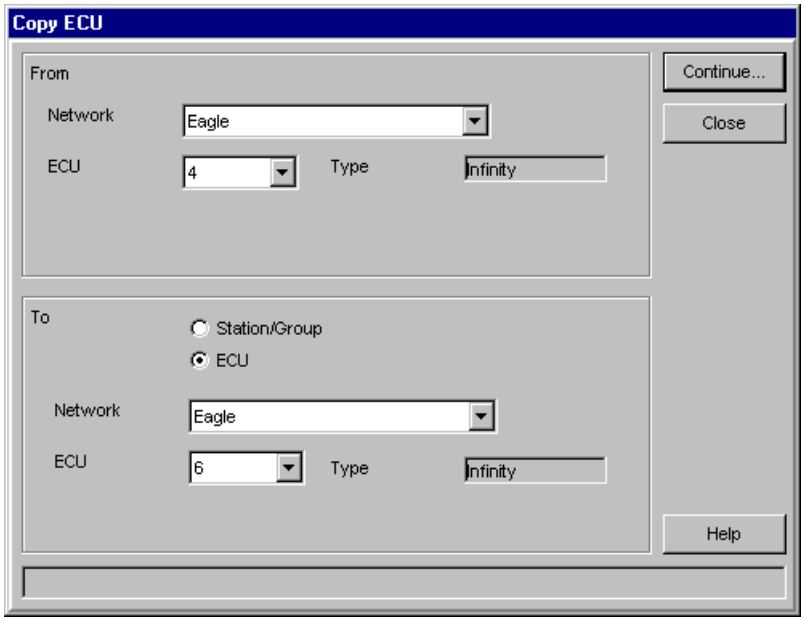
Use this feature to copy dispenser brand assignments from one ECU to another. You can copy the brand assignments of one ECU to several identical ECUs by selecting a station or group. This feature copies the names of the brands and cocktails (along with prices and portions) and the buttons or pourer codes they are assigned to. It also copies the calibration values for All-Bottle dispensers. To copy the brand assignments of a TAP 1 ECU see *Copy Partition* in this section. To copy the brand assignments of a single dispenser see *Copy Dispenser* in this section.

To copy ECU dispenser brand assignments:

1. Run **Manager**.



2. Pull down the **Pouring** menu and point to **Copy Settings**. Click **ECU...**.



3. Select the "from" **Network**.

   Select the "from" **ECU**.

4. Select whether you're copying "to" a **Station/Group** or an **ECU**.

   If you copy to a station or group, all ECUs in the station or group that are identical to the "from" ECU will receive the copy. Any non-identical ECUs will be left alone.

   Select the name of the **Station/Group**.

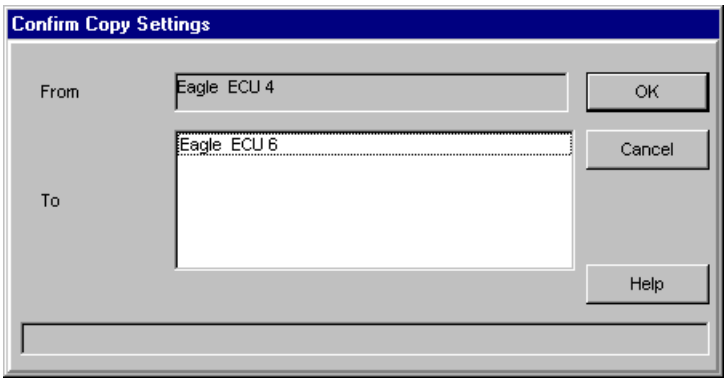
   OR

Select the "to" **Network**.

Select the number of the "to" **ECU**.

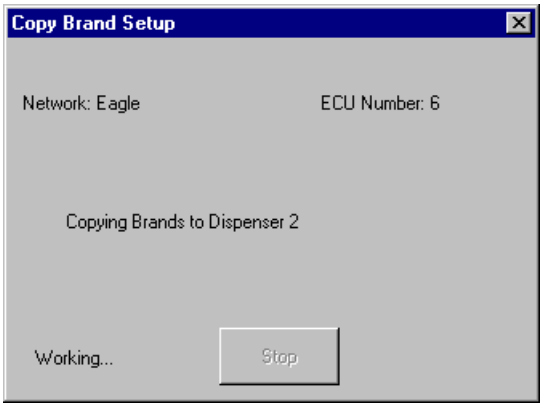
5. Click **Continue...**.

Only ECUs with the same number and type of dispensers as the "from" ECU will receive the copied settings.



You'll see a list of all the ECUs to which the assignments will be copied.

6. Click **OK** to confirm the copy operation or click **Close** to cancel the copy operation.



Wait while the copy is communicated to the ECU(s).

7. Click **Close** to exit the **Copy ECU** screen.

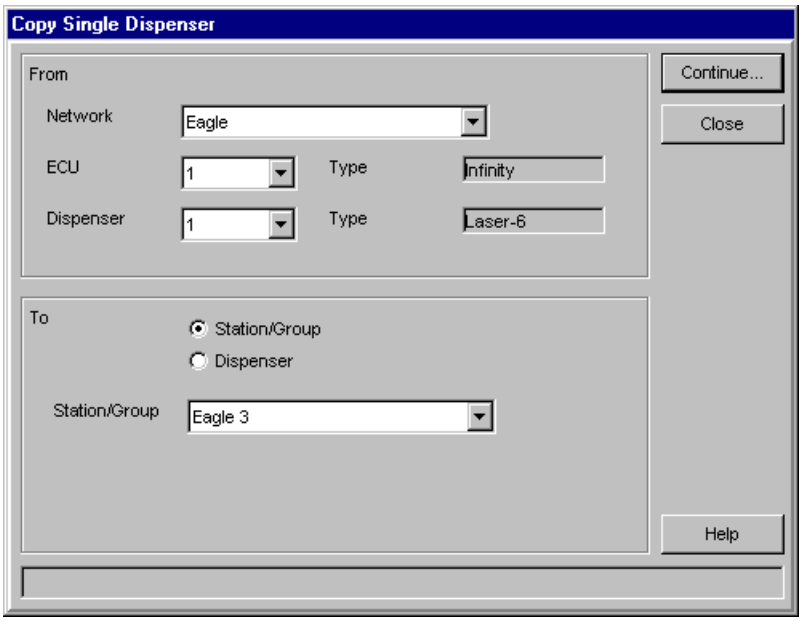
Copy Dispenser

You can copy the brand assignments of dispensers to other identical dispensers. This feature copies the names of the brands and cocktails (along with prices and portions) and the buttons or pourer codes they are assigned to. It also copies the calibration values for All-Bottle dispensers. You can copy from one dispenser to multiple dispensers by selecting a station or group.

To copy dispenser assignments:

1. Run **Manager**.

2. Pull down the **Pouring** menu and point to **Copy Settings**. Click **Single Dispenser...**.



3. Select the "from" **Network**.

   Select the "from" **ECU**.

   Select the number of the "from" **Dispenser**.

4. Select whether you're copying "to" a **Dispenser** or **Station/Group**.

   If you copy to a station or group, all dispensers in the station or group that are the same type as the "from" dispenser will receive the copy. Any dispensers of a different type will be left alone.

   Select the name of the **Station/Group**.

   OR

All-Bottle ID

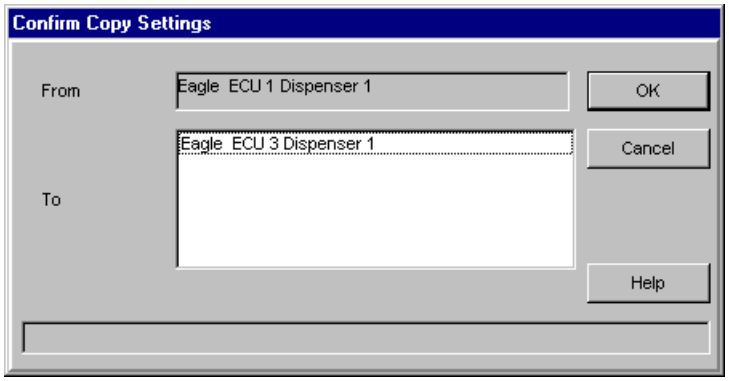
The brand assignments of an All-Bottle ID dispenser are automatically copied to all other All-Bottle ID dispensers whenever changes are made. (You don't need to use Copy Dispenser for All-Bottle ID dispensers.)

Select the "to" **Network**.

Select the number of the "to" **ECU**.

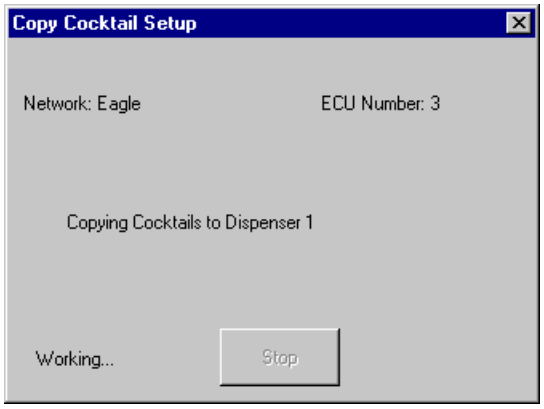
Select the number of the "to" **Dispenser**.

5. Click **Continue...**.



You'll see a list of all matching dispensers to which the assignment will be copied.

6. Click **OK** to confirm the copy operation or click **Close** to cancel the copy operation.



Wait while the copy is communicated to the ECU(s).

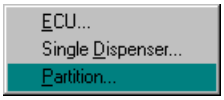
7. Click **Close** to exit the **Copy Dispenser** screen.

Copy Partition

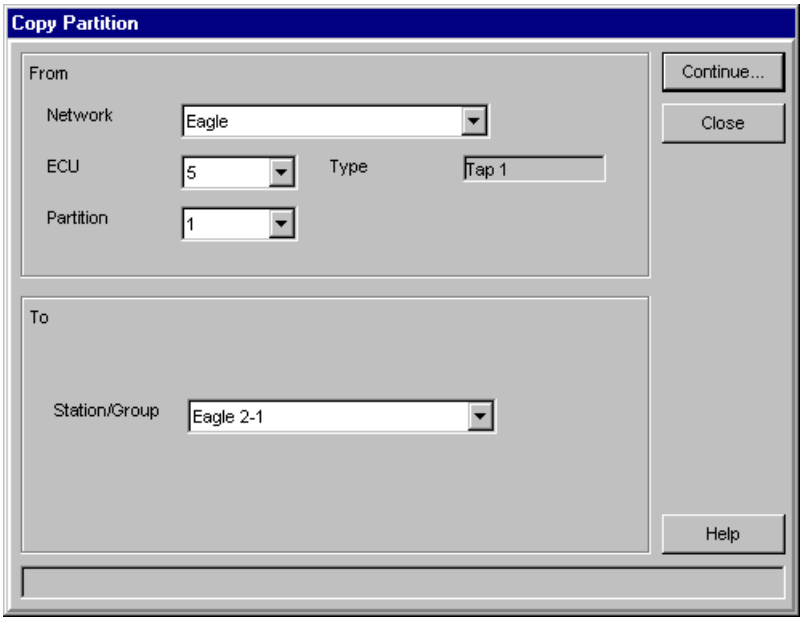
Use this feature to copy identical dispenser brand assignments from one TAP 1 partition to other identical TAP 1 partitions in a station or group. This feature copies the names of the brands (along with prices and portions) and the buttons they are assigned to.

■ To copy partition brand dispenser assignments:

1. Run **Manager**.



2. Pull down the **Pouring** menu and point to **Copy Settings**. Click **Partition...**.



3. Select the "from" **Network**.

   Select the "from" **ECU**.

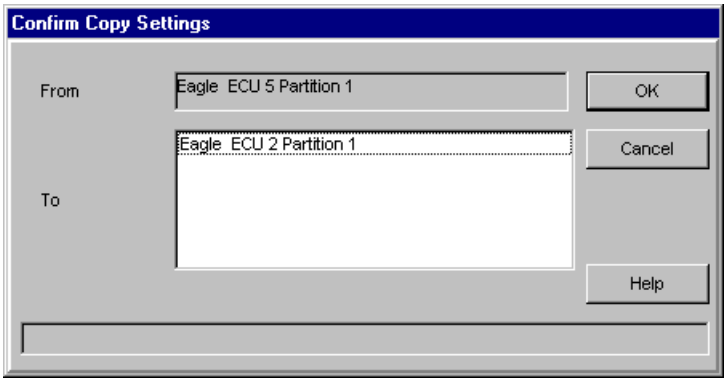
   Select the "from" **Partition**.

4. Select the name of the "to" **Station/Group**.

   When you copy to a station or group, all TAP 1 partitions in the station or group that are identical to the "from" partition will receive the copy. Any non-identical partitions will be left alone.

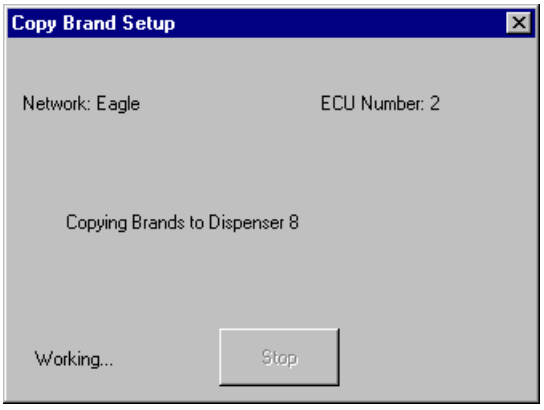
5. Click **Continue...**.

Only partitions with the same number of taps as the "from" partition will receive the copied settings.



You'll see a list of all partitions to which the assignment will be copied.

6. Click **OK** to confirm the copy operation or click **Close** to cancel the copy operation.

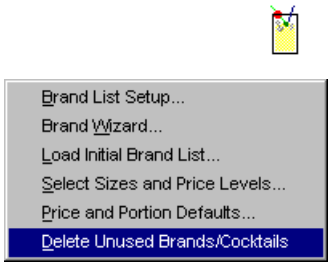


Wait while the copy is communicated to the ECU(s).

7. Click **Close** to exit the **Copy Partition** screen.

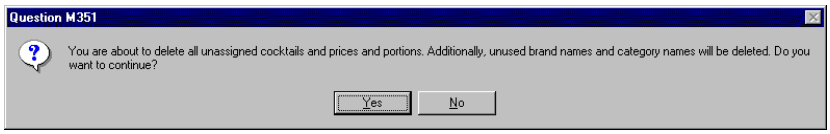
Delete Unused Brands and Cocktails

Perform this task to quickly remove the names of all unused brands and cocktails from your brand list. Unused brands and cocktails are those that aren't assigned to any dispensers. When you delete unused brands and cocktails, their prices and portions are also deleted. Be sure you've made all your brand and cocktail assignments before performing this task.



To delete unused brands and cocktails:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Delete Unused Brands/Cocktails**.


Question M351
You are about to delete all unassigned cocktails and prices and portions. Additionally, unused brand names and category names will be deleted. Do you want to continue?
Yes
No

3. Click **Yes** to proceed with the deletion.

What is Test Pour?

You may have noticed Test Pour in your brand list. This entry is included in the brand list for your convenience during installation and also to assist Berg in troubleshooting your system.

Test Pour	Test Pour isn't a specific brand of liquor. It's a default brand name initially assigned to each dispenser. It makes it possible to pour at each dispenser before you've set up any brands with the software. Test Pour uses the factory default portion sizes for S, R and L. A different Test Pour is used for Tap 1 dispensers (Tap 1 Test Pour).
Removing Test Pour from a dispenser	When you assign specific brands to each dispenser, you replace Test Pour with the chosen brand.
Removing Test Pour from the Brand List	Test Pour can't be deleted from the brand list so it's always available for diagnostic purposes.

SECTION 11

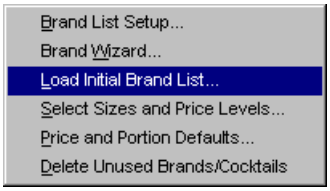
Advanced Brand Operations

This section provides help with the following tasks:

Load Initial Brand List 11-2
Select Sizes and Price Levels 11-4
Price and Portion Defaults 11-6
Switch Product Type 11-8
Rename a Brand or Cocktail 11-10
Delete a Brand or Cocktail 11-12
Assign PLUs to Brands and Cocktails 11-14
Rename a Price Portion Category 11-16
Create a New Price Portion Category 11-18
Switch a Price Portion Category 11-20
Delete a Brand or Cocktail's Prices and Portions 11-22
About Importing Brand Prices and Portions 11-24
Import Brand Prices and Portions 11-26
About Importing Cocktail Prices and Portions 11-28
Import Cocktail Prices and Portions 11-30
About Exporting Brand Prices and Portions 11-32
Export Brand Prices and Portions 11-34
About Exporting Cocktail Prices and Portions 11-36
Export Cocktail Prices and Portions 11-38

Load Initial Brand List

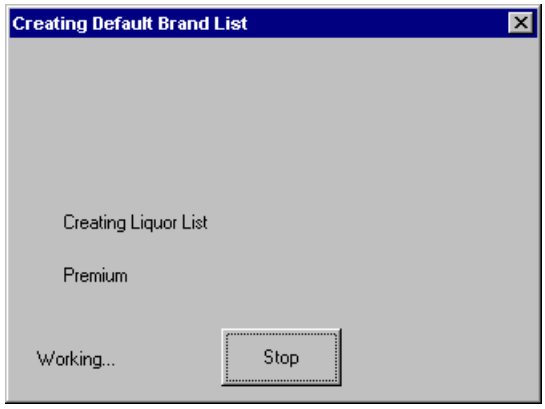
Perform this task to load Berg's list of brands to your computer. You can select which product types of the brand list to load. Any brands already in your brand list are skipped by this process—they're not reloaded and no settings are changed. Each brand in the Berg list has default prices and portions which have the "Standard" category name. If you want to change the default prices and portions for one or more product types before you load Berg's list, see *Price and Portion Defaults* in this section. (You don't need to load the brand list if you already loaded it with the Brand Wizard.) See also *Import Brand Prices and Portions* in this section.



To load the initial brand list:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Load Initial Brand List...**.

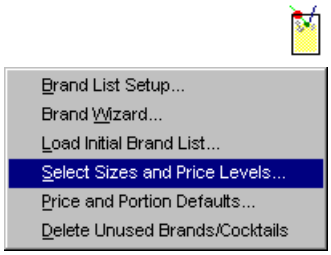
3. Select the product type(s) you want to load.
4. Select a **Container** for each product type.
5. Click **OK** to load the list.



Wait while the brand list for the selected product type(s) is loaded.

Select Sizes and Price Levels

This task lets you modify the number of sizes and price levels for a particular product type. This is useful if you never use all the sizes and price levels available or if you want to increase the sizes and price levels available because you've added a 1544 Infinity ECU or an All-Bottle ID dispenser to your system. (You don't need to perform this task if you already set the number of sizes and price levels with the Brand Wizard.)



Load Defaults

If you want to use Berg's default number of sizes and price levels, click **Load Defaults**.

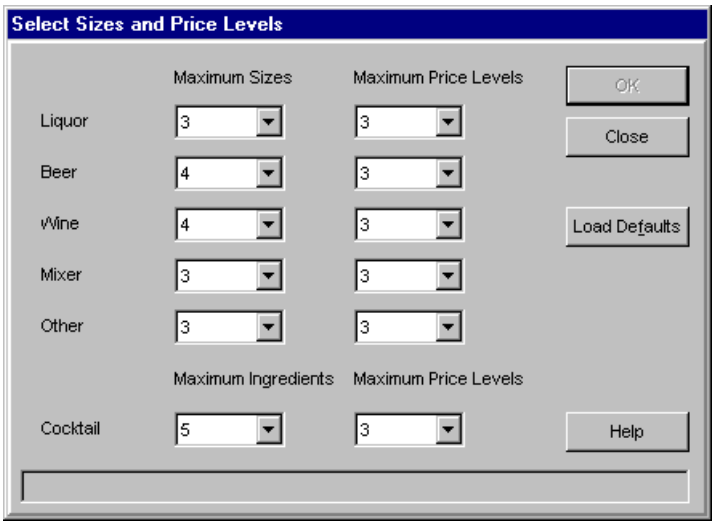
The Berg default sizes are 3 for Liquor, Wine and Mixers, 4 for Beer and 5 ingredients for Cocktails. The Berg default price levels are 3 for all product types.

Price Levels

Price levels are optional tiers of prices and portions that can be defined to accommodate various needs. Some owners don't use price levels; others use them for switching between happy hour, regular and entertainment pricing; still others use them to track shift sales.

■ To select sizes and price levels:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Select Sizes and Price Levels...**.



3. Select the maximum number of portion sizes you want for each product type. (For the cocktail product type, select the maximum number of ingredients you want for a cocktail recipe.)

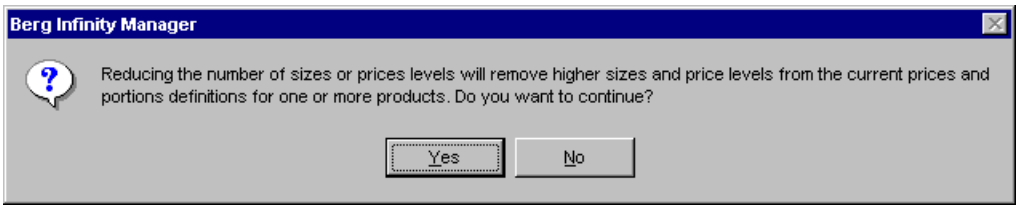
   You're not setting any portion sizes—you're selecting the number of different portion sizes you'll need for each product type.

4. Select the maximum number of price levels you want for each product type.

   You're not setting specific price levels—you're selecting the number of price levels you'll need.

5. Click **OK** to save the maximum sizes and price levels and exit the screen.

6. If you reduce the number of portion sizes and price levels, a message warns you the highest portion sizes and price levels are the ones that will be eliminated.


Berg Infinity Manager
Reducing the number of sizes or prices levels will remove higher sizes and price levels from the current prices and portions definitions for one or more products. Do you want to continue?
Yes
No

Click **Yes** to continue (and remove the higher sizes and price levels) or **No** to abort the process.

OR

If you increase the number of portion sizes and price levels, a message reminds you that no prices and portions are affected by the change. Just remember to enter prices and portion sizes for the new sizes and price levels—they aren't automatically filled.

Click **OK** to continue the process.

Notes

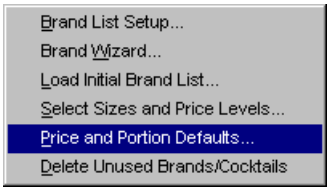
- You can choose the number of portion sizes and price levels you want, but you can't specify their designations. For example, if you choose 2 price levels they will be A and B. If you choose 2 portion sizes, they will be 1 and 2. The higher sizes and price levels are always the ones eliminated.
- The number of portion sizes and price levels for Test Pour can't be changed.
- If you eliminate previously defined higher prices and portions, the changes are sent to the ECUs.

Price and Portion Defaults

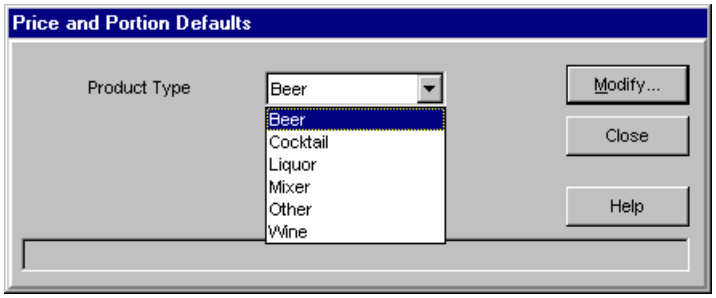
Perform this task to modify the default prices and portions set up by product type. Defaults are prices and portions entered for each brand of a product type when the brand is added to the brand list. (They're also used when you press the **Load Defaults** button on the **Modify Prices and Portions** screen.) Berg's default prices and portions are used if you don't set your own using this procedure or the Brand Wizard. (You don't need to perform this task if you've already set your price and portion defaults with the Brand Wizard.)

To enter price and portion defaults:

1. Run **Manager**.

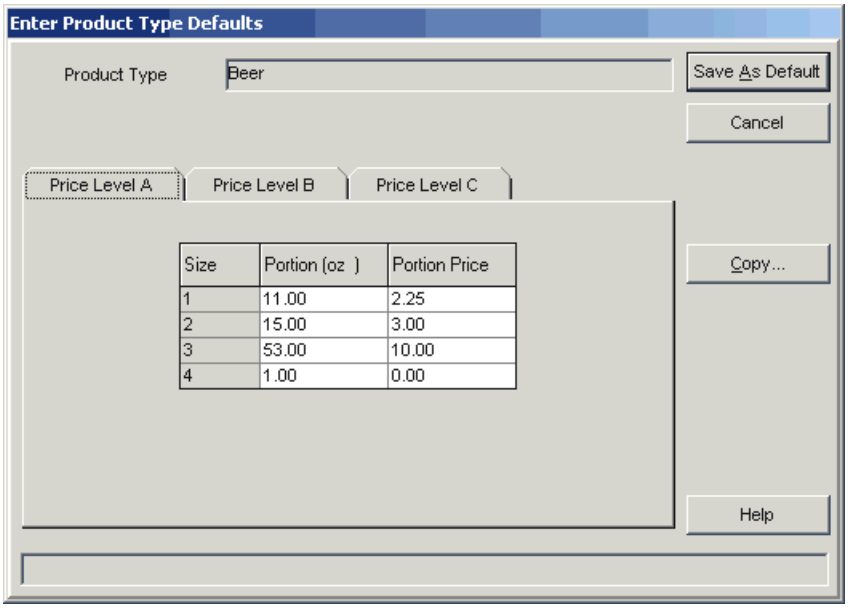


2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Price and Portion Defaults...**.



3. Select the **Product Type** with price and portion defaults you want to change.

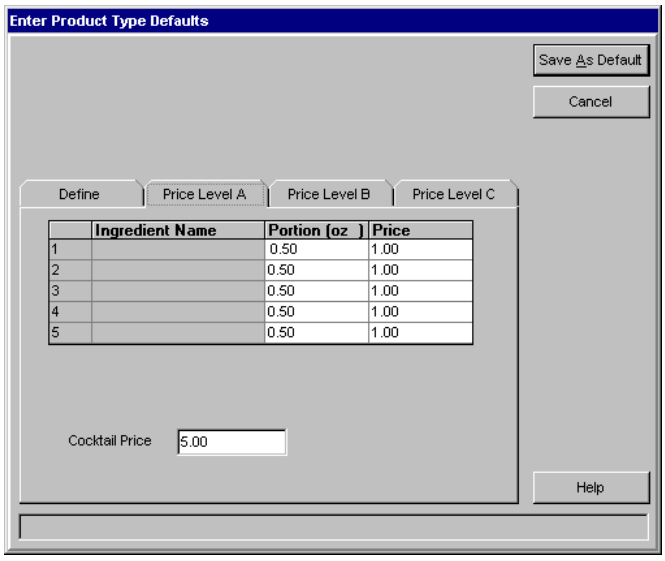
You don't need to type a decimal if you're entering a whole number, e.g., type 6 for 6.00 oz, or 2 for $2.00.



4. Click a **Price Level** tab.

5. Type the correct **Portion** and **Price** for each **Size** listed on the tab. **Sizes 1-4** correspond to small (S), regular (R), large

(L) and special (SP or X) on your dispenser or control box. **Sizes 1-8** correspond to the eight possible sizes on TAP 1 taps if alternate sizes are enabled. The number of sizes and designation depend on the type of dispenser.



Note that for cocktails you're entering default portion sizes and prices for each **Ingredient** in the cocktail in addition to a default **Cocktail Price**.

6. Repeat steps 4 and 5 for any **Price Level** tab that has prices and/or portions you want to change.
7. Click **Copy...** if you want to copy the prices and portions you just entered (on all tabs) to selected brands of any non-cocktail product type.
8. Click **Save As Default** to save the prices and portions you just entered (on all tabs) as the default prices and portions for this product type.
9. Repeat steps 3 through 7 to enter default prices and portions for other product types.
10. Click **Close** to exit the **Price and Portion Defaults** screen.

Cocktail Defaults

- Even though all your cocktail recipes are different, you may have several recipes with a 1/2 oz ingredient and a 1 oz ingredient. By defining default portions and prices for ingredients, you can save time re-entering the same numbers in each recipe.
- When you create a cocktail recipe (see Cocktail Prices and Portions), any unused default prices and portions are removed from the recipe, so it's okay to define defaults here that some cocktails won't use.

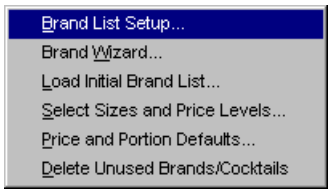
Notes

- ❑ You can also set default prices and portions for a product type when you enter a brand's prices and portions and use the **Save as Default** button.
- ❑ You can enter non-default prices and portions for any brand using Brand List Setup.
- ❑ Changing price and portion defaults does not affect any existing brand prices and portions.

See *Brand Prices and Portions* in the *Brand Operations* section.

Switch Product Type

You can change the product type designation of a brand when you modify a brand's setup. Switching a brand's product type is useful if a brand's product type was defined incorrectly and you want to switch to the correct product type.



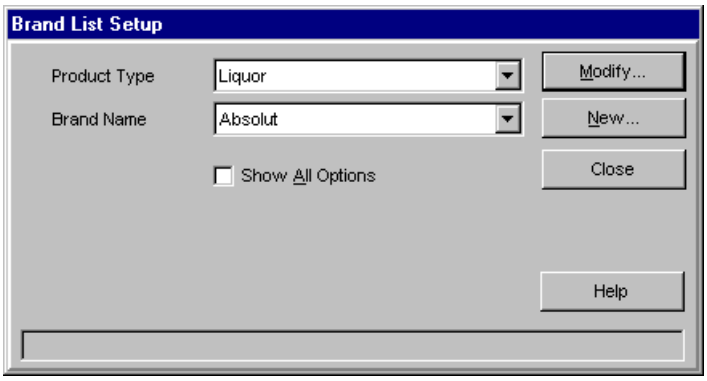
Product Types

Product types are categories **Infinity** uses to organize the brand list.

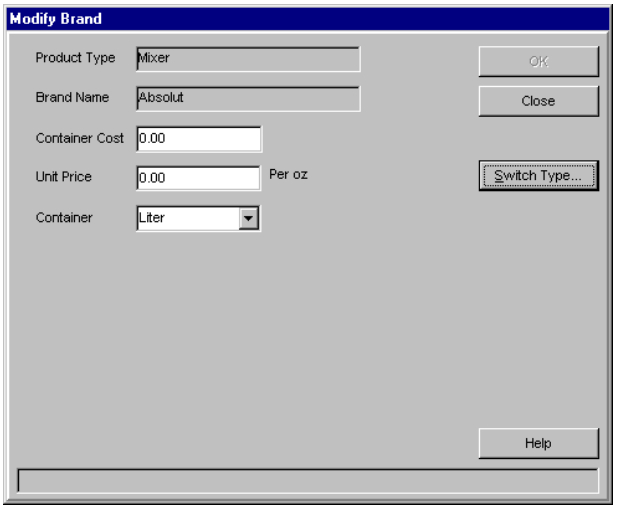
- **Beer** can only be assigned to TAP 1 dispensers.
- **Cocktails** can only be assigned to Laser dispensers.
- **Liquor** can be assigned to Laser or All-Bottle dispensers.
- **Mixers** can be assigned to any dispenser.
- **Other** can be assigned to any dispenser.
- **Wine** can be assigned to any dispenser.

■ To switch a product type:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Brand List Setup...**.



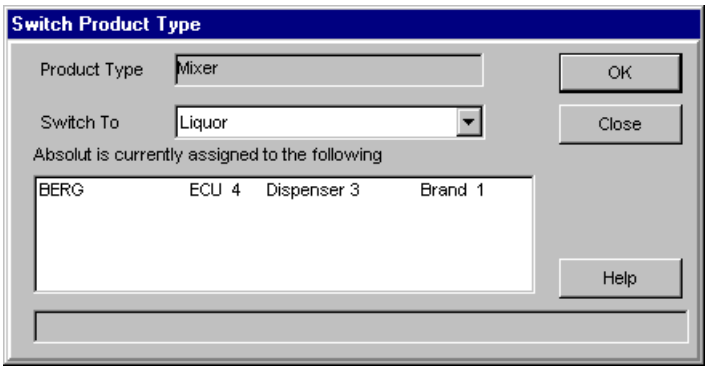
3. Select the **Product Type**.
4. Select the **Brand Name**.
5. Click **Modify...**.



6. Click **Switch Type...**.

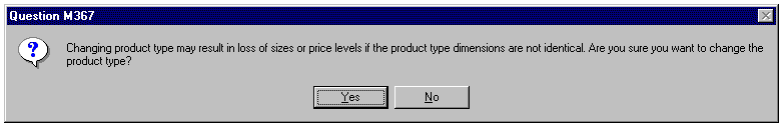
Switching Restrictions

- **Beer** can be switched to the Mixer, Wine or Other product type.
- **Cocktails** can't be switched to any other product type.
- **Liquor** can be switched to the Wine, Mixer or Other product type.
- **Mixers** can be switched to the Liquor, Wine, Beer or Other product type.
- **Other** can be switched to the Liquor, Beer, Mixer or Other product type.
- **Wine** can be switched to the Liquor, Beer, Mixer or Other product type.
- If a brand is assigned to dispensers, the switch is restricted to the product types allowed on those dispensers.

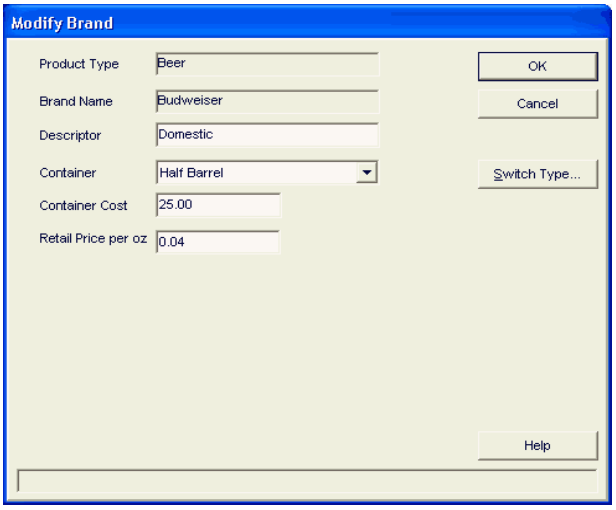


7. Select the product type you want to **Switch To**.
8. Click **OK** to proceed or click **Close** to exit without saving any changes.

   A message reminds you that a change in product type may result in a loss of higher sizes or price levels if the product types do not have the same number of sizes and price levels.


Question M367
Changing product type may result in loss of sizes or price levels if the product type dimensions are not identical. Are you sure you want to change the product type?
Yes
No

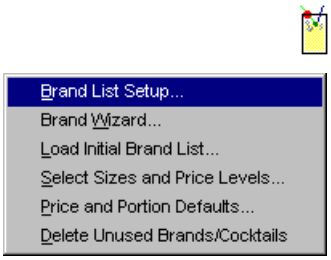
9. Click **Yes** to complete the product type switch or click **No** to cancel the switch.



10. Click **OK** to save your entries and exit the **Modify Brand** screen.
11. Click **Close** to exit the **Brand List Setup** screen.

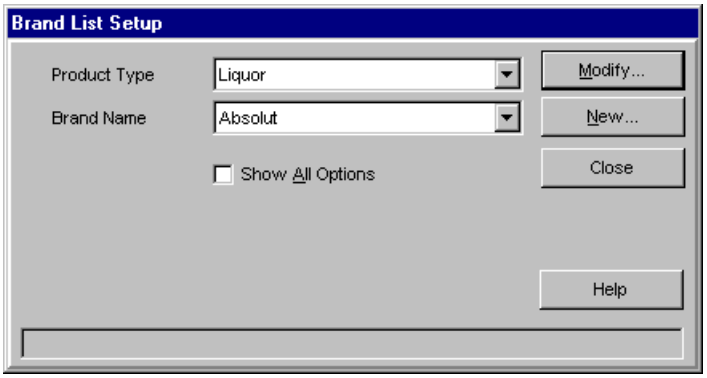
Rename a Brand or Cocktail

You can easily rename any brand or cocktail in the brand list. The name change does not change the other setup features of the brand or cocktail (e.g. cost, cocktail ingredients, prices and portions). It just replaces the old name with a new one everywhere it is used.

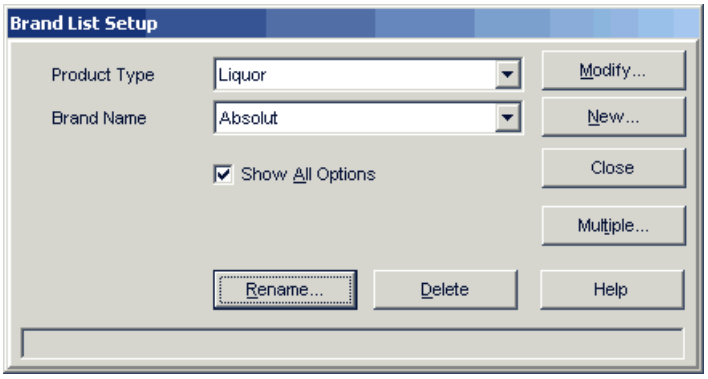


■ To rename a brand or cocktail:

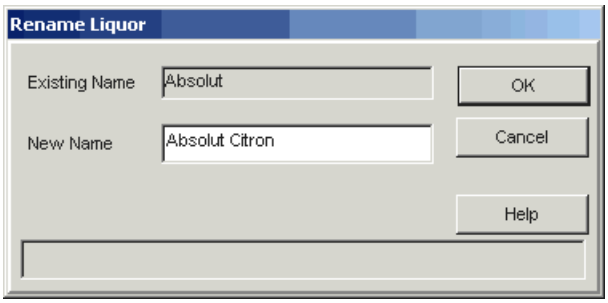
1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Brand List Setup...**.



3. Select the **Product Type**.
4. Select the **Brand Name**.
5. Select **Show All Options**.



6. Click **Rename...**.



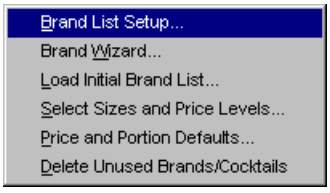
7. Type in the brand or cocktail's **New Name**. It can be up to 19 characters.

8. Click **OK** to save your entry and exit the screen. Click **Cancel** to exit the screen without saving any changes.

9. Click **Close** to exit the **Brand List Setup** screen.

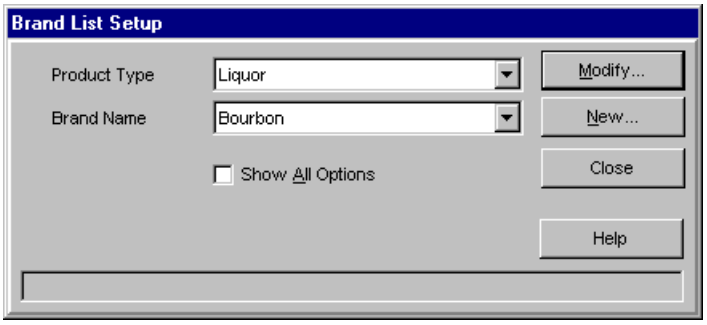
Delete a Brand or Cocktail

Use this feature to remove the name of a brand or cocktail from the brand list. The brand or cocktail's prices and portions are deleted at the same time. If you delete a brand from the list that is already assigned to dispensers, all of the assignments are lost as well as any sales data for the brand. (To preserve the sales data, see Archive and Clear Sales (Z) in the *Reports* section.) You can't delete a brand that is an ingredient in a cocktail recipe assigned to Laser dispensers. (To modify cocktail recipes see Cocktail Prices and Portions in this section.)

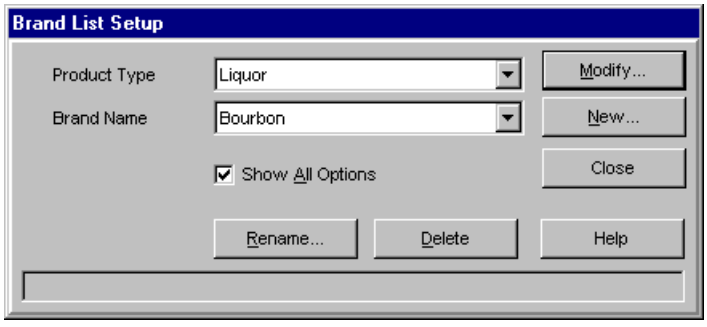


To delete a brand or cocktail:

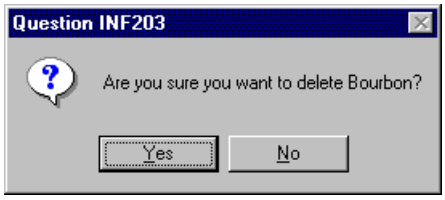
1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Click **Brand List Setup...**.



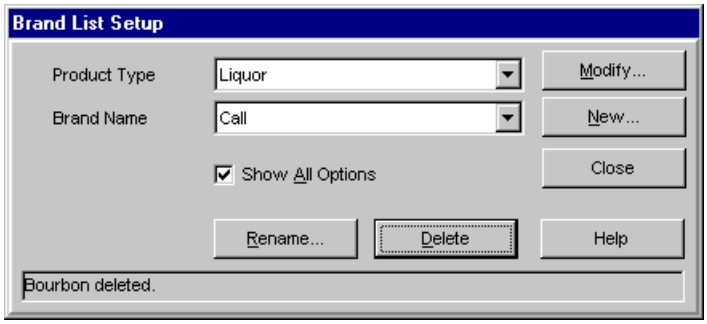
3. Select the **Product Type**.
4. Select the **Brand Name**.



5. Select **Show All Options**.
6. Click **Delete**.



7. Click **Yes** to confirm the deletion or click **No** to cancel the deletion.



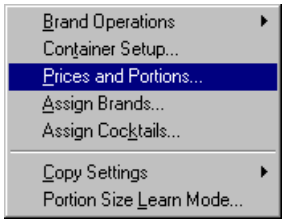
8. Click **Close** to exit the **Brand List Setup** screen.

Notes

- If you want to quickly delete all unused brands and cocktails from the brand list see *Delete Unused Brands and Cocktails* in this section.
- **Assigned Brand** popup screen: If you're deleting a brand already assigned to dispensers, a list of dispenser assignments appears. Click **Continue...** to unassign the brand from the dispenser(s) and delete it from the list.
- **Required Ingredient** popup screen: If you attempt to delete a brand that is part of a cocktail recipe, a list of the affected cocktail recipes appears. Click **Cancel** to exit the screen and abort the deletion process. You can't delete the brand unless it is removed from all cocktail recipes.

Assign PLUs to Brands and Cocktails

To accurately compare data from **Infinity** and a sales terminal on a Reconciliation report or to use **Interface**, you need to assign PLUs to brands and cocktails in **Infinity** that match the PLU assignments at the sales terminal. Get the list of PLUs from the sales terminal and match them with the correct brands, sizes and price levels in **Infinity**. You can assign PLUs at the same time you enter a brand's prices and portions or you can go back and enter or change them at any time. If you use the Reconciliation report, you may need to create PLU "recipes" in **Infinity** for some of the PLUs used at the sales terminal. See *About PLU Recipes* and *Create and Assign a PLU Recipe* in the *Reconciliation and Variance Reports* section. See also *Import Brand Prices and Portions* and *Import Cocktail Prices and Portions* in this section.

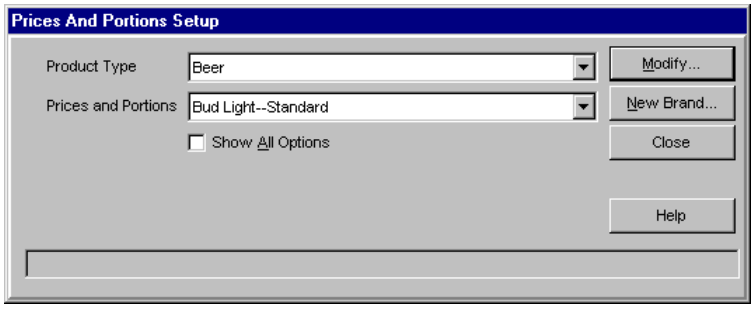


Multiple...

Click Show All Options and Multiple... to enter PLUs for all brands of a product type.

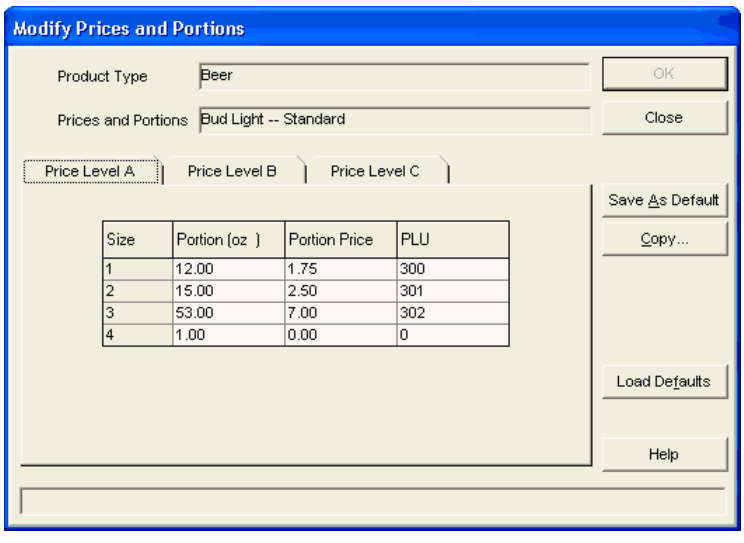
■ To assign PLUs to brands and cocktails:

1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.



3. Select the **Product Type**.
4. Select the brand's **Prices and Portions** you want to give a PLU.

Beer prices, portions and PLUs

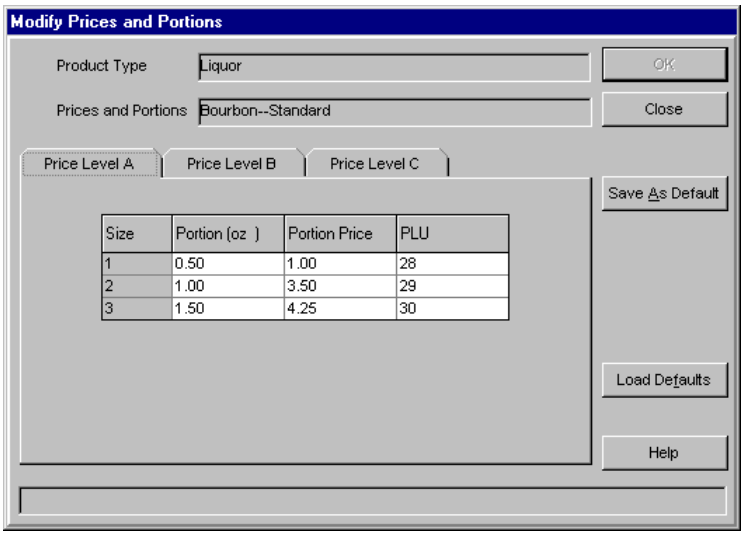


PLU Column

The PLU column is shown under any of the following conditions:

- You've installed Interface software.
- You've enabled the Advanced or Enterprise edition.
- You've selected **Show PLU** on the **Preferences** screen.

Liquor, Wine and Mixer prices, portions and PLUs



PLUs

- **Infinity** accepts numbers to 999,999,999 as a PLU.
- PLUs to be used with Interface can be up to 65535.
- Depending on the sales terminal, the PLU may be the same for every size at a certain price level or it may be different.

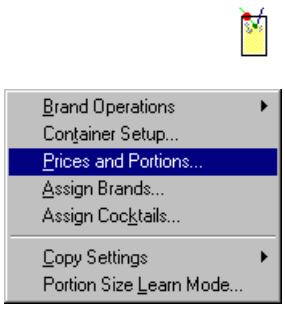
Defaults

- There are no factory default PLUs.
- If you click **Save As Default** after you've entered prices, portions and PLUs, only the prices and portions on all tabs become the defaults for that product type. PLUs are not saved as defaults.

5. Click **Modify...**.
6. Click a **Price Level** tab that has PLUs you want to enter or change.
7. Type the correct **PLU** for each **Size** listed on the tab. **Sizes 1-4** correspond to small (S), regular (R), large (L) and special (SP or X) on your dispenser or control box. **Sizes 1-8** correspond to the eight possible sizes on TAP 1 taps if alternate sizes are enabled. The number of sizes and designation depend on the type of dispenser.
8. Repeat steps 6 and 7 for any **Price Level** tab that needs PLUs.
9. Click **OK** to save your entries on all tabs. Click **Cancel** to exit the screen without saving.
10. Repeat steps 3-9 for every brand that needs PLUs.
11. Click **Close** to exit the **Prices and Portions Setup** screen.

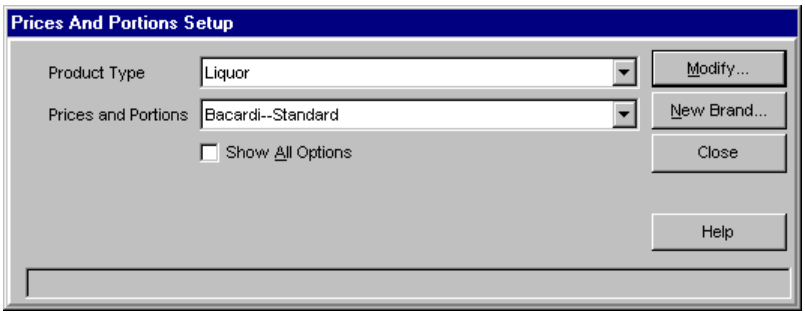
Rename a Price Portion Category

You can rename a category of prices and portions if you need to. ("Standard" is an example of a price/portion category.) Renaming a price/portion category for a single brand changes the category name for all brands using that category.

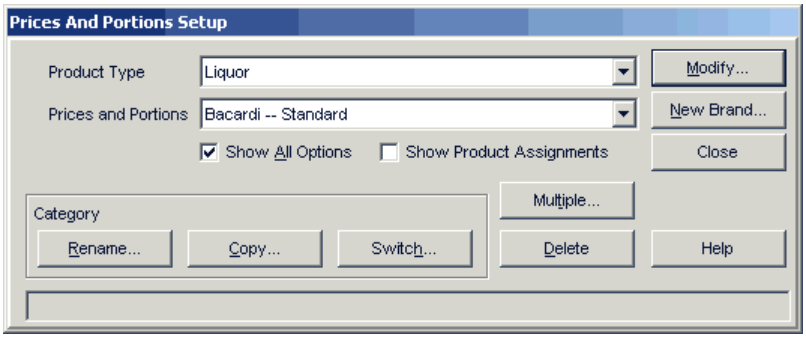


To rename a price portion category:

1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.



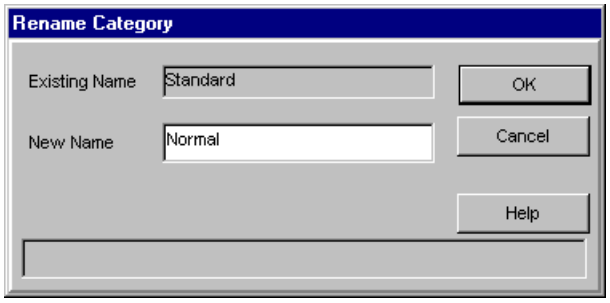
3. Select the **Product Type**.
4. Select the brand's **Prices and Portions** you want to rename.
5. Select **Show All Options**.



6. Click **Rename...**.

Show Product Assignments

Check **Show Product Assignments** to see which dispensers pour this brand.



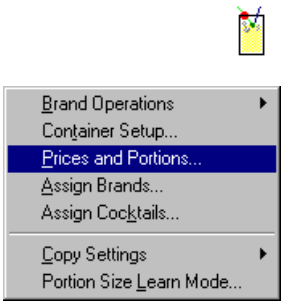
7. Type the **New Name** for the prices and portions category.
8. Click **OK** to save the new name or **Cancel** to exit without saving.
9. Click **Close** to exit the **Prices and Portions Setup** screen.

Note

- Renaming a price/portion category does not create new prices and portions. If you want to create a new category of prices and portions, see *Create a New Price Portion Category* in this section.

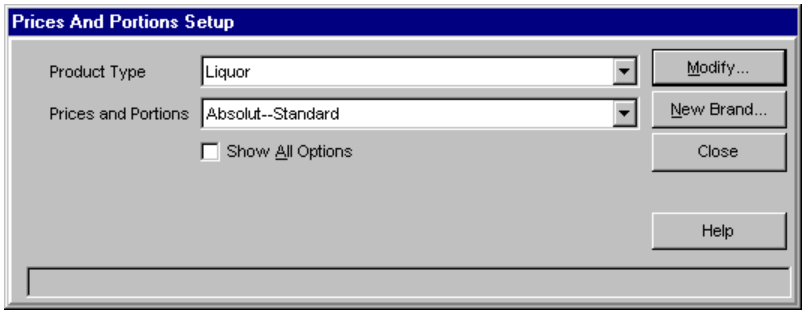
Create a New Price Portion Category

You can define additional price/portion categories for a brand or cocktail if necessary. If you do not have any more price or portion differences than you have price levels, it may be easier to just use price levels than to create additional categories. You can create as many new price/portion categories as you need. Each new category of prices and portions includes a new set of price levels. The prices and portions are distinguished from each other by the names you give them, for example, Absolut--Standard, Absolut--Restaurant, Absolut--Dancing. You perform this task for each brand individually. See also *Import Brand Prices and Portions* in this section.

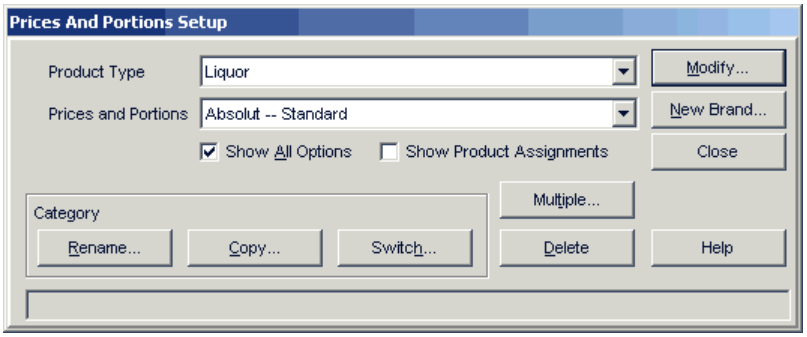


To create a new price portion category:

1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.



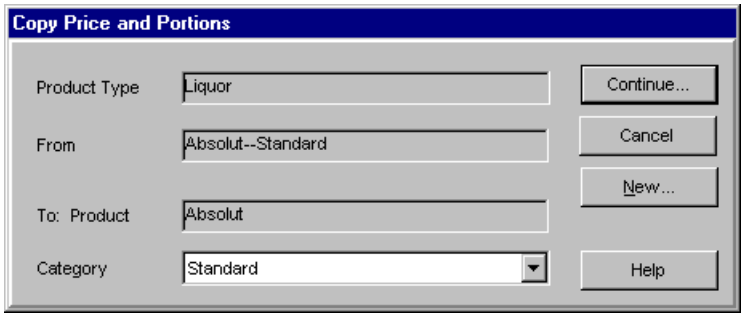
3. Select the **Product Type**.
4. Select the brand's **Prices and Portions** on which to base the new prices and portions.
5. Select **Show All Options**.



6. Click **Copy...**. (You are making a copy of the displayed prices and portions so you can change them.)

Show Product Assignments

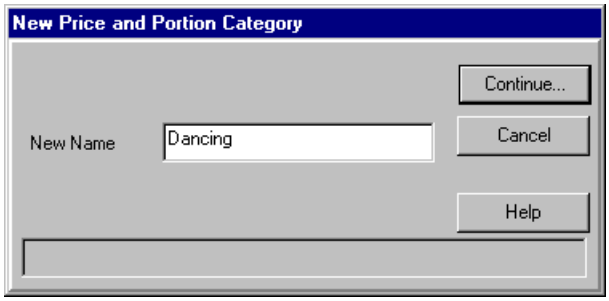
Check **Show Product Assignments** to see which dispensers pour this brand.



7. Select an existing **Category** name and click **Continue...**. Proceed with step 11.

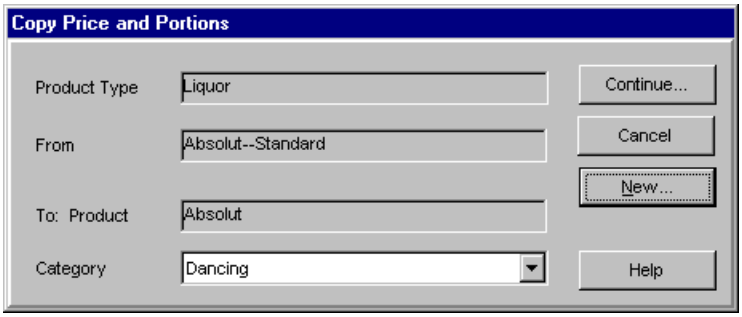
   OR

   Click **New...** to create a new category name.



8. Type the **New Name** for your prices and portions category. Do not type the name of the brand. (For example, type *Dancing* not *Absolut--Dancing*.)

9. Click **Continue...**.



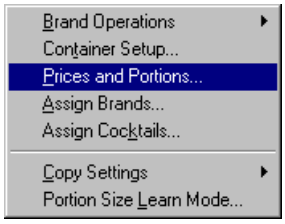
10. Click **Continue....** to enter prices and portions under the new name you just entered or click **Cancel** to exit without saving the new name you entered.

11. Follow the steps outlined in *Brand Prices and Portions* in this section to enter the correct prices and portions.

12. Click **Close** to exit the **Prices and Portions Setup** screen.

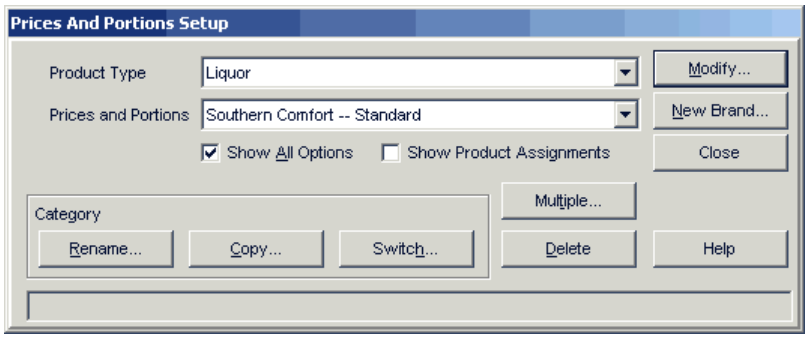
Switch a Price Portion Category

Once you've created additional price portion categories, you can use this feature to quickly switch the price portion category of all brands that qualify for the switch. (Note that you can also make pricing changes with price levels.) For example, if you create a new price portion category for an Oktoberfest promotion, you can easily switch your brands to pour at Oktoberfest prices. The brands to be switched must have an Oktoberfest category defined. (Any brands without an Oktoberfest category do not receive the switch.) When the promotion ends, you can switch from Oktoberfest back to any other price portion category you've defined.



To switch a price portion category:

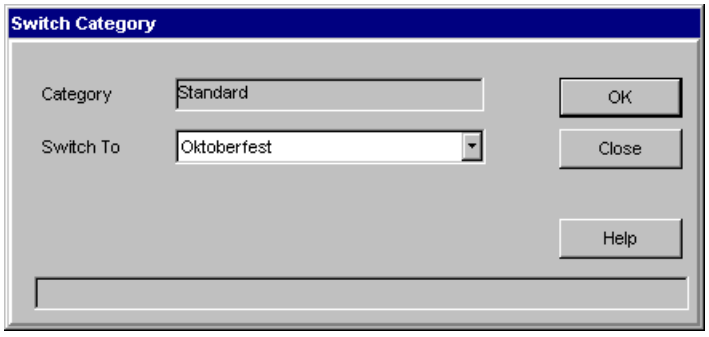
1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.



3. Select the **Product Type**.
4. Select a brand's **Prices and Portions** you want to switch.

   You're selecting the brand and also the category name. (The switch is performed for every assigned brand in your list that has the category name you select and also the new category name you're switching to.) You must select a brand that has more than one price portion category defined.

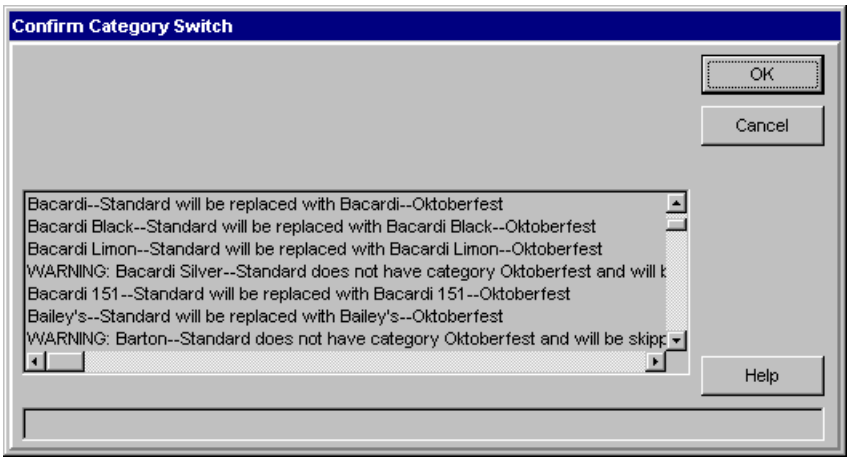
5. Select **Show All Options**.
6. Click **Switch...**.



Show Product Assignments

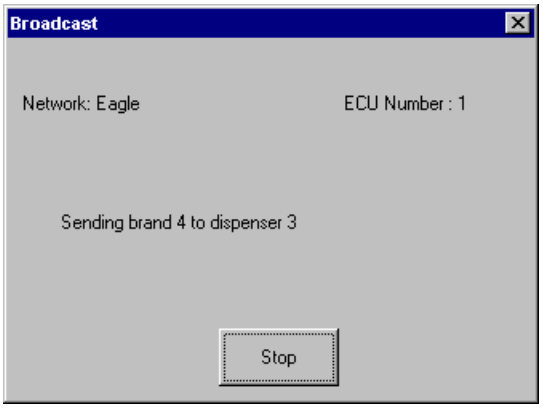
Check **Show Product Assignments** to see which dispensers pour this brand.

7. Select the category you want to switch to.
8. Click **OK**.


Confirm Category Switch
OK
Cancel
Bacardi--Standard will be replaced with Bacardi--Oktoberfest
Bacardi Black--Standard will be replaced with Bacardi Black--Oktoberfest
Bacardi Limon--Standard will be replaced with Bacardi Limon--Oktoberfest
WARNING: Bacardi Silver--Standard does not have category Oktoberfest and will
Bacardi 151--Standard will be replaced with Bacardi 151--Oktoberfest
Bailey's--Standard will be replaced with Bailey's--Oktoberfest
WARNING: Barton--Standard does not have category Oktoberfest and will be skipp
Help

9. Click **OK** after reading the confirmation message or click **Cancel** to abort the switch process.

   The confirmation message tells you which brands will receive the switch and which will not.



10. Wait while the switch is broadcast to the ECU(s).
11. Click **Close** to exit the **Prices and Portions Setup** screen.

Notes

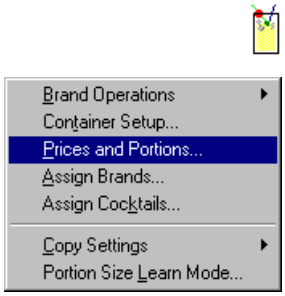
- ❑ Switching a price portion category doesn't delete the old category.
- ❑ If a cocktail qualifies for the switch with the correct category name, but doesn't have the same ingredient list for the old and new categories, it won't be switched.
- ❑ Switching occurs for all brands that qualify in your system.

Schedule a Switch

You can automatically switch price portion categories at specific times by including the switch in a schedule. See *Create a Time Schedule* in the *Schedules* section.

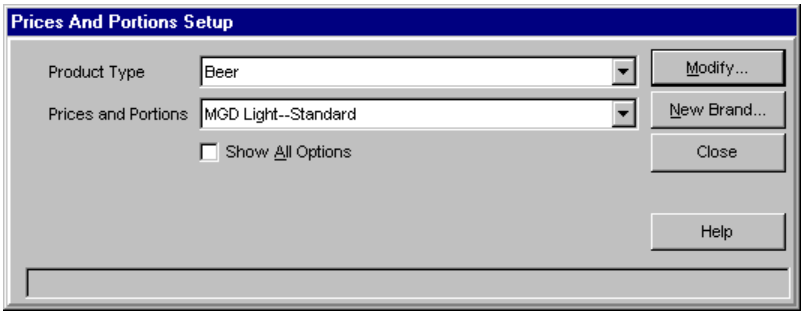
Delete a Brand or Cocktail's Prices and Portions

You cannot delete a brand or cocktail's prices and portions if they are currently assigned to a dispenser. Deleting a category of prices and portions deletes the brand from the brand list if you haven't previously defined another category of prices and portions for the brand. See also *Delete a Brand or Cocktail* in this section.

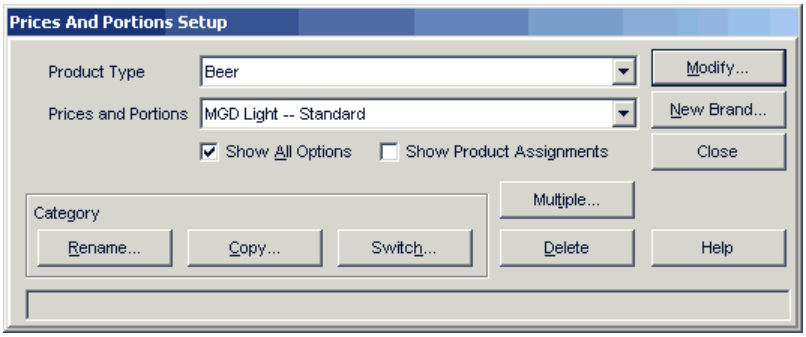


■ **To delete a brand or cocktail's prices and portions:**

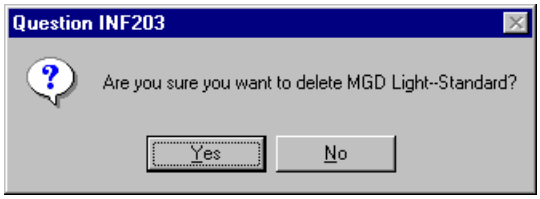
1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.



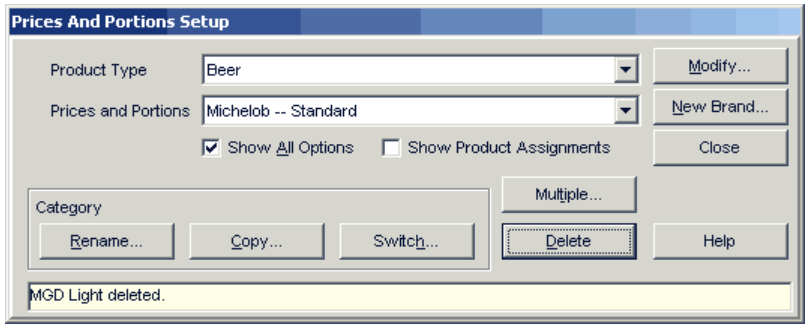
3. Select the **Product Type**.
4. Select the **Brand Name**.
5. Select **Show All Options**.



6. Click **Delete**.



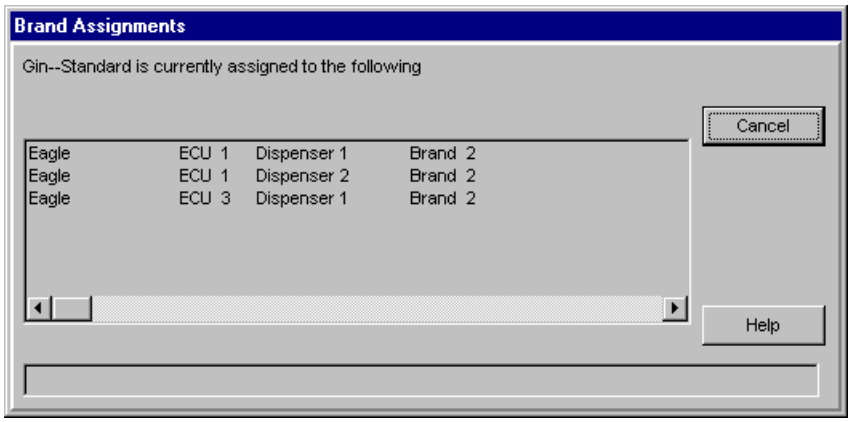
7. Click **Yes** to confirm the deletion or click **No** to cancel the deletion.



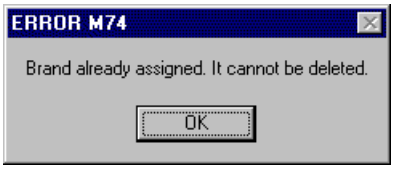
8. Click **Close** to exit the **Prices and Portions Setup** screen.

Note

- If you try to delete a brand or cocktail's prices and portions that are already assigned to a dispenser, a list appears showing the dispenser assignments.


Brand Assignments
Gin--Standard is currently assigned to the following
Cancel
Eagle ECU 1 Dispenser 1 Brand 2
Eagle ECU 1 Dispenser 2 Brand 2
Eagle ECU 3 Dispenser 1 Brand 2
Help

Click **Cancel** after viewing the list.



Click **OK** after viewing the message.

- If you want to quickly delete all unused brands and cocktails and their prices and portions, see *Delete Unused Brands and Cocktails* in this section.

About Importing Brand Prices and Portions

Why or when should I import prices and portions?

Use Import to save time entering prices and portions at a new Infinity installation or to quickly change prices and portions at an existing installation. Typically, you import prices and portions if you've previously entered them somewhere else. For example, you may have entered them at another Infinity installation or in a POS system.

What does it mean to import brand prices and portions?

It means you tell Infinity to copy the brand prices and portions saved in a file to your database. It means you don't individually enter prices and portions for each brand; they are copied in one step from the file.

How do I get an import file?

You can create a file by exporting prices and portions from another Infinity installation (see Export Prices and Portions Brands). Or you may be able to export prices and portions from a POS system to a file (see the POS documentation). You can also create a file in any spreadsheet or text editor and type in the price portion information.

What needs to be in the brand import file?

The import file should contain a separate line of text for each size of every price level of every brand you're importing. Each line should list the price, portion and PLU at the specified size and price level. Each separate item in a line is called a "column". Columns must be separated by a single character called a "column separator" (usually a comma). See the following excerpt from a sample import file:

In this file excerpt, **Brand** name is column **1**, **Product Type** is column **2**, **Price Level** is column **3**, **Size** is column **4**, **Portion** is column **5**, **Portion Price** is column **6** and **PLU** is column **7**.

Absolut,Liquor,A,1,0.50,1.00,500
Absolut,Liquor,A,2,1.00,3.50,501
Absolut,Liquor,A,3,1.50,4.25,502
Absolut,Liquor,B,1,0.50,1.75,503
Absolut,Liquor,B,2,1.00,3.95,504
Absolut,Liquor,B,3,1.50,4.75,505
Absolut,Liquor,C,1,0.50,2.00,506
Absolut,Liquor,C,2,1.00,4.00,507
Absolut,Liquor,C,3,1.50,5.00,508

Portions in the import file should be listed in the unit of measure set up for your database.

Prices should be listed in the unit set up for your computer.

Price, portion and PLU amounts in the file may be truncated or rounded if necessary to fit into the proper units. *For example, if your database uses two decimal places for prices, then 4 is interpreted as 4.00 and 4.152 is truncated to 4.15.*

Columns can appear in any order in your file, but all lines in the file must use the same order. You can also leave out columns you don't need. For example, if you don't use price levels or PLUs, your import file may look like this:

Absolut,Liquor,1,0.50,1.00
Absolut,Liquor,2,1.00,3.50
Absolut,Liquor,3,1.50,4.25

(In this case, the prices listed will be copied to the existing number of price levels in your database.)

How do I know what numbers to enter for Columns on the Import screen?

The **Columns** fields refer to the order of the price/portion information in each line of your import file. For example, in the following sample line from an import file, **Brand** is listed first, so it's column **1**.

Absolut,Liquor,A,1,0.50,1.00,500

You should enter a number on the **Import Prices and Portions** screen for each column name specifying the order it appears in your import file. There is no pre-set "correct" order; the important thing is determining how your file is organized.

Find out the column order used by the exporting program or just look at your import file by opening it in a spreadsheet or text editing program.

If a column is not included in your file (for example, you're not using PLUs), type a zero next to the column name on the **Import Prices and Portions** screen to indicate the information doesn't appear in your file.

What if I want a price, portion or PLU listed as zero in my database?

If you want an entry in your database to be zero (for example, you don't use size 3), make sure the price or portion or PLU entry is zero in the import file itself. For example:

Absolut,Liquor,A,1,0.50,1.00,500
Absolut,Liquor,A,2,1.00,3.50,501
*Absolut,Liquor,A,3,**0,0,0***

When I import, are my existing prices and portions replaced?

Imported prices and portions will replace any existing prices and portions with the same category name. If you want to import with the same category name, you may want to store existing configuration settings or backup your database before importing.

If you import prices and portions with a new category name, they become a new set of prices and portions in your database.

What happens if I import a price/portion category I've assigned to dispensers?

The imported prices and portions are immediately sent to the ECU(s).

What happens if a brand in the file is not in my database?

The new brand will be added to your brand list using the product type specified in the import file. If there is no product type specified, the product type "Liquor" is assigned. The new brand gets any product type defaults for the brand fields.

What if the number of sizes or price levels in the file differs from my database?

Any price levels and sizes in the file which exceed the maximum number of sizes and price levels set up for each product type in your database are not imported.

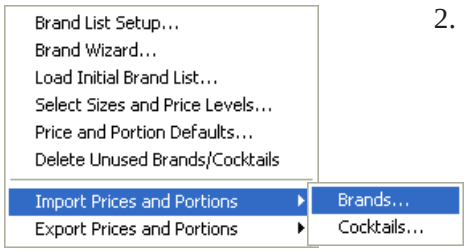
Import Brand Prices and Portions

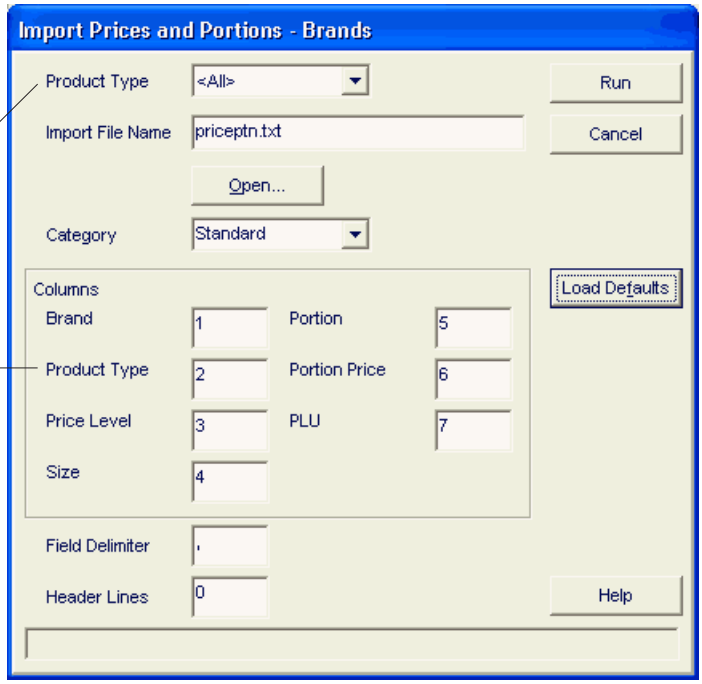
Perform this task if you have brand prices and portions listed in a file you want to copy to your **Infinity** database. You must enable the Enterprise Edition of **Infinity** to import. See *About Importing Brand Prices and Portions* in this section for further information.

■ To import brand prices and portions:

1. Run **Manager**.

2. Pull down the **Pouring** menu and point to **Brand Operations**. Point to **Import Prices and Portions** and click **Brands...**.





If you have an import file with brands of a single product type, select the type here.

This eliminates the need for a **Product Type** column in the file, so you'll see this column name grayed out on the screen.

3. If appropriate, select a **Product Type** for the import file.

   Select a single product type in this field only if you have an import file with brands of a single product type. Otherwise, leave this field set to **<All>**. This field does not determine which brands in the file are imported.

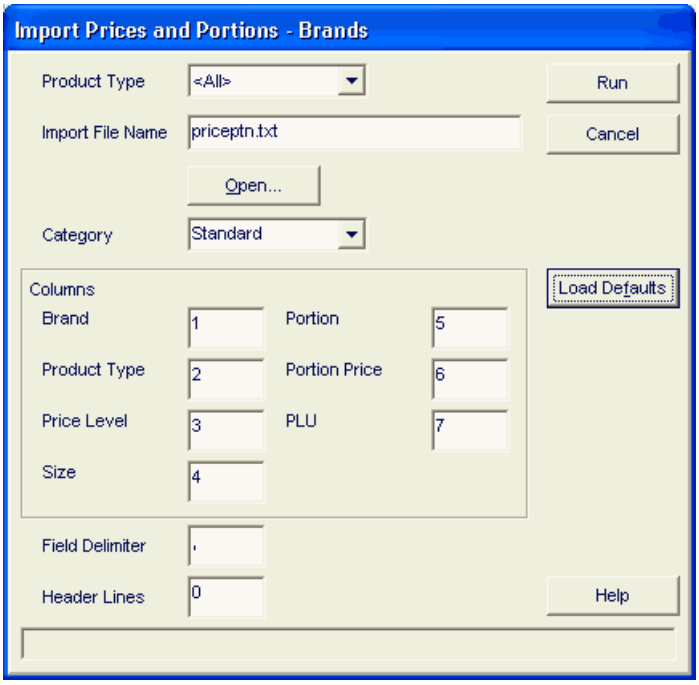
4. Click **Open...** to select the **Import File Name** and path. Select the folder and filename of the import file and click **Open**.

5. Select the price portion **Category** for all brands in the import file.

Category

If you select the name of an existing category in your database, that category of prices and portions is replaced with the prices and portions in the import file.

If you want to create a new category of prices and portions when you import, highlight a category name and type a new name. Creating a new category when you import lets you keep any existing categories of prices and portions already in your database.



If the columns **Price Level** or **Size** are not included in your import file, the prices and portions listed for a brand in the file will be copied to all price levels or sizes of the brand in your database.

If the column **Product Type** is not included in the import file, any brands in the file not already in your database receive the "Liquor" product type.

If the columns **Portion**, **Portion Price** or **PLU** are not included in the import file, any existing portions, prices and PLUs in your database will be retained. This includes entries of zero in your database.

6. Specify the order of the **Columns** in the import file by entering a number for each column. Enter a 0 (zero) for any column not included in the import file.

   See *How do I know what numbers to enter for Columns?* in *About Importing Brand Prices and Portions* in this section.

7. Type the **Column Separator**. This is the character used to separate columns of information in each line of the import file. The default is a comma (,).

8. Type the number of **Header Lines** (if any) in the import file. These are lines at the beginning of the import file that don't contain price and portion data. Typically, they include text about the contents of the file and/or list the column headings. It doesn't matter how many header lines your import file has. Just specify the exact number, so those lines are skipped when Infinity copies price portion data to your database.

9. Click **Run** to import data in the selected file.

10. Click **Yes** to continue importing after reading any warnings.

About Importing Cocktail Prices and Portions

What needs to be in the cocktail import file?

In these file excerpts, **Cocktail/ Brand** name is column **1**, **Product Type** is column **2**, **Price Level** is column **3**, **Portion Price/Cocktail Price** is column **4**, **Portion** is column **5** and **Cocktail PLU** is column **5**.

Portions in the import file should be listed in the unit of measure set up for your database.

Prices should be listed in the unit set up for your computer.

Price, portion and PLU amounts in the file may be truncated or rounded if necessary to fit into the proper units. *For example, if your database uses two decimal places for prices, then 4 is interpreted as 4.00 and 4.152 is truncated to 4.15.*

The cocktail import file should contain a separate line of text for each price level of every cocktail you're importing. Each cocktail line should list the cocktail name, price level, price and, optionally, PLU. For example:

Margarita,Cocktail,A,3.00,208
Margarita,Cocktail,B,4.00,209
Margarita,Cocktail,C,5.00,210

In addition, directly following these cocktail lines should be a separate line of text for each price level of every ingredient in the cocktail. Each ingredient line should list the brand name, price and portion at the specified price level. For example:

Tequila,Liquor,A,1.50,0.50
Tequila,Liquor,B,2.00,0.50
Tequila,Liquor,C,2.50,0.50
Triple Sec,Liquor,A,0.75,0.50
Triple Sec,Liquor,B,1.00,0.50
Triple Sec,Liquor,C,1.25,0.50

Each separate item in a line is called a "column". Columns must be separated by a single character called a "column separator" (usually a comma).

How do I know what to enter for Columns on the Import screen?

The **Columns** fields refer to the order of the price/portion information in each line of your import file. For example, in the following sample line from an import file, the Cocktail name is listed first, so it's column 1.

Margarita,Cocktail,A,3.00,208

Find out the column order used by the exporting program or just look at your import file by opening it in a spreadsheet or text editing program.

Columns can appear in any order in your file, but all lines in the file must use the same column order. This means in a cocktail recipe, the **Cocktail / Brand** name of ingredients must have the same column number. The **Cocktail Price** and **Portion Price** of each ingredient must have the same column number. If you use **Cocktail PLUs**, your import file may use the same column number for **Cocktail PLU** and ingredient **Portion** (since one applies only to cocktail lines and the other to ingredient lines). Or they may be different columns.

If a column is not included in your file (for example, you're not using PLUs), type a zero next to the column name on the **Import Prices and Portions** screen to indicate the information doesn't appear in your file.

How does the file show where one cocktail recipe ends and another begins?

Cocktail recipes are distinguished one of two ways: using a **Product Type** column or using a blank or intervening line in the file.

If you use a Product Type column, the word "*Cocktail*" in the Product Type column signals the start of a cocktail definition. Any succeeding lines in the file with a different product type are considered ingredients in the cocktail recipe. As soon as another line appears with "Cocktail" as the product type, a new definition starts.

If you don't use a Product Type column, there must be a blank line (or any line without column separators) in the file between each cocktail definition.

Compare the following sample file excerpts:

Product Type

Black Russian,Cocktail,A,3.50,211
Black Russian,Cocktail,B,3.50,212
Black Russian,Cocktail,C,3.50,213
Vodka,Liquor,A,2.25,1.25
Vodka,Liquor,B,2.25,1.25
Vodka,Liquor,C,2.25,1.25
Coffee Liqueur,Liquor,A,1.50,0.75
Coffee Liqueur,Liquor,B,1.50,0.75
Coffee Liqueur,Liquor,C,1.50,0.75
Daiquiri,Cocktail,A,3.50,232
Daiquiri,Cocktail,B,3.50,233
Daiquiri,Cocktail,C,3.50,234

•
•
•

Blank Line

Black Russian,A,3.50,211
Black Russian,B,3.50,212
Black Russian,C,3.50,213
Vodka,A,2.25,1.25
Vodka,B,2.25,1.25
Vodka,C,2.25,1.25
Coffee Liqueur,A,1.50,0.75
Coffee Liqueur,B,1.50,0.75
Coffee Liqueur,C,1.50,0.75

Daiquiri,A,3.50,232
Daiquiri,B,3.50,233
Daiquiri,C,3.50,234

•
•
•

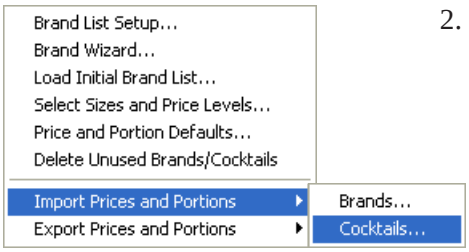
The method you use depends on the exporting program or your preference when creating the file in a spreadsheet or text editor. Either method imports cocktails accurately. You specify you're using a Product Type column when you enter a number for its Column order on the Import screen. Type a zero if you're not using this column and make sure an intervening line appears between cocktail definitions in the import file.

What happens if a cocktail or ingredient in the import file is not in my database?

The new cocktail or brand will be added to your brand list using the product type specified in the import file. New brands added this way will have no prices or portions listed except when used within the cocktail.

Import Cocktail Prices and Portions

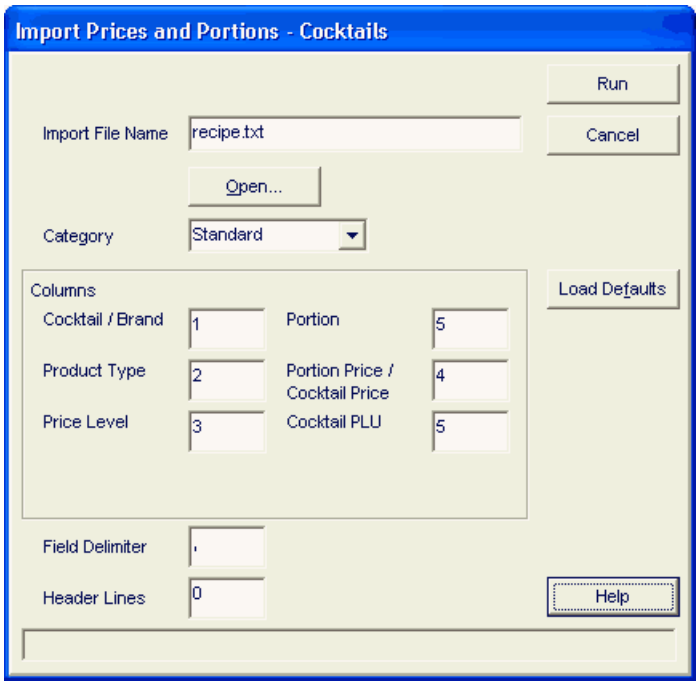
Perform this task if you have cocktail prices and portions listed in a file you want to copy to your **Infinity** database. You must enable the Enterprise Edition of **Infinity** to import. See *About Importing Cocktail Prices and Portions* in this section for further information.



To import cocktail prices and portions:

1. Run **Manager**.

2. Pull down the **Pouring** menu and point to **Brand Operations**. Point to **Import Prices and Portions** and click **Cocktails...**.



3. Click **Open...** to select the **Import File Name** and path. Select the folder and filename of the import file and click **Open**.

4. Select the price portion **Category** for all cocktails in the import file.

5. Specify the order of the **Columns** in the import file by entering a number for each column. Enter a 0 (zero) for any column not included in the import file.

   See *How do I know what to enter for Columns?* in *About Importing Cocktail Prices and Portions* in this section.

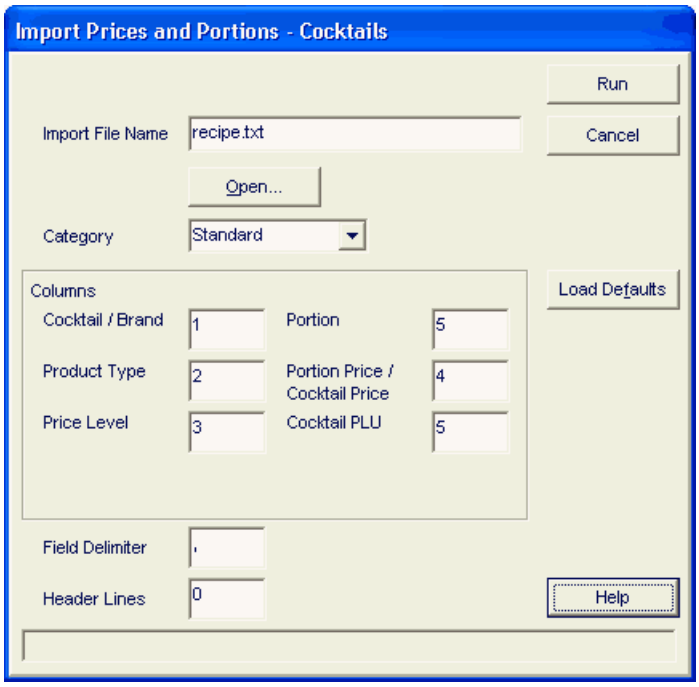
Category

If you select the name of an existing category in your database, that category of prices and portions is replaced with the prices and portions in the import file.

If you want to create a new category of prices and portions when you import, highlight a category name and type a new name. Creating a new category when you import lets you keep any existing categories of prices and portions already in your database.

If the column **Product Type** is not included in the import file, type a zero and make sure an intervening line appears between cocktail definitions in the import file. See *How does the import file show where one cocktail recipe ends and another begins?* in *About Importing Cocktail Prices and Portions*.

If the columns **Portion**, **Portion Price/Cocktail Price** or **PLU** are not included in the import file, any existing portions, prices and PLUs in your database will be retained. This includes entries of zero in your database.



6. Type the **Column Separator**. This is the character used to separate columns of information in each line of the import file. The default is a comma (,).

7. Type the number of **Header Lines** (if any) in the import file. These are lines at the beginning of the import file that don't contain price and portion data. Typically, they include text about the contents of the file and/or list the column headings. It doesn't matter how many header lines your import file has. Just specify the exact number, so those lines are skipped when Infinity copies price portion data to your database.

8. Click **Run** to import data in the selected file.

9. Click **Yes** to continue importing after reading any warnings.

About Exporting Brand Prices and Portions

Why or when should I export prices and portions?

Use Export to save to a file any price portion information in your database. Typically, you export prices and portions if you want to import them somewhere else. For example, you need them for another Infinity installation or you want the information available to edit in a spreadsheet.

What does it mean to export brand prices and portions?

Exporting means you tell Infinity to copy the prices and portions entered in your Infinity database to a file.

What will be in the export file?

The export file contains a separate line of text for each size of every price level of every brand you're exporting. Each line lists the price, portion and PLU at the specified size and price level. Each separate item in a line is called a "column". Columns are separated by a single character called a "column separator" (usually a comma). See the following excerpt from a sample export file:

Absolut,Liquor,A,1,0.50,1.00,500
Absolut,Liquor,A,2,1.00,3.50,501
Absolut,Liquor,A,3,1.50,4.25,502
Absolut,Liquor,B,1,0.50,1.75,503
Absolut,Liquor,B,2,1.00,3.95,504
Absolut,Liquor,B,3,1.50,4.75,505
Absolut,Liquor,C,1,0.50,2.00,506
Absolut,Liquor,C,2,1.00,4.00,507
Absolut,Liquor,C,3,1.50,5.00,508

In this file excerpt, **Brand** name is column **1**, **Product Type** is column **2**, **Price Level** is column **3**, **Size** is column **4**, **Portion** is column **5**, **Portion Price** is column **6** and **PLU** is column **7**.

You specify the column order in your file and all lines use the same order. You can also leave out columns you don't need. For example, if you don't include price levels or PLUs, your export file may look like this:

Absolut,Liquor,1,0.50,1.00
Absolut,Liquor,2,1.00,3.50
Absolut,Liquor,3,1.50,4.25

Portions in the export file are listed in the unit of measure set up for your database. Prices are listed in the unit set up for your computer.

How do I know what to enter for Columns on the Export screen?

Columns refers to the order of the price/portion information in each line of your export file. For example, in the following sample line from an export file, **Brand** is listed first, so it's column 1.

Absolut,Liquor,A,1,0.50,1.00,500

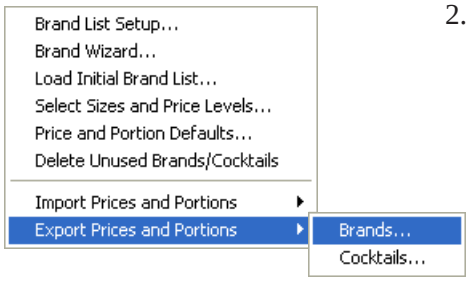
You should enter a number on the Export Prices and Portions screen for each column name specifying the order you want it to appear in your export file.

There is no pre-set "correct" order. Find out if the importing program requires a specific order, use your own preference, or click **Load Defaults** to use the Berg default column order.

If you don't want a column included in your file (for example, you're not using PLUs), enter a zero next to the column name on the Export Prices and Portions screen to indicate the information shouldn't appear in your file.

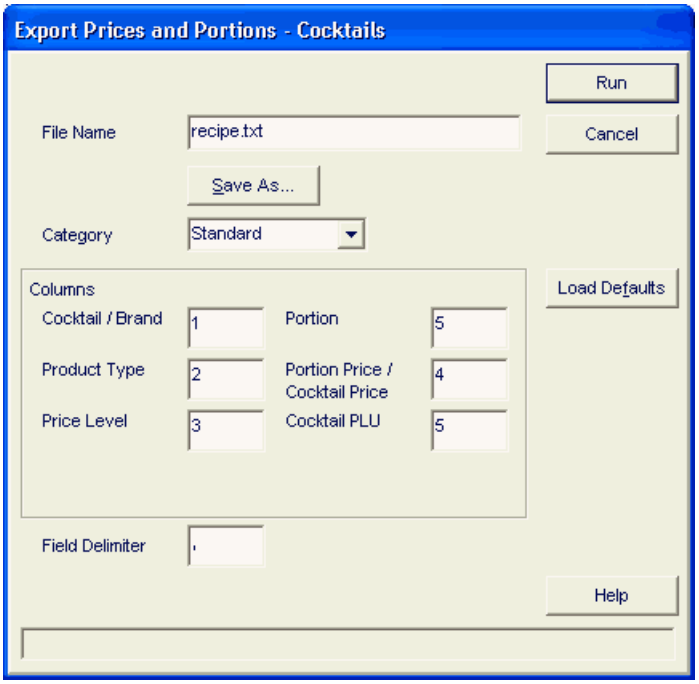
Export Brand Prices and Portions

Perform this task to copy to a file existing brand prices and portions in your **Infinity** database. You must enable the Enterprise Edition of **Infinity** to export. See *About Exporting Brand Prices and Portions* in this section for further information.



To export brand prices and portions:

1. Run **Manager**.
2. Pull down the **Pouring** menu and point to **Brand Operations**. Point to **Export Prices and Portions** and click **Brands...**.



3. To export only brands of one type, select a **Product Type**. For example, if you want to create a file containing only Beer prices and prices, select **Beer**.
4. Click **Save As...** to select the **File Name** and path. Select the folder, type a file name for the export file and click **Save**.
5. Select the price portion **Category** you're exporting.
6. Specify the order of the **Columns** in the export file by entering a number for each column. Enter a 0 (zero) for any column you don't want to export.

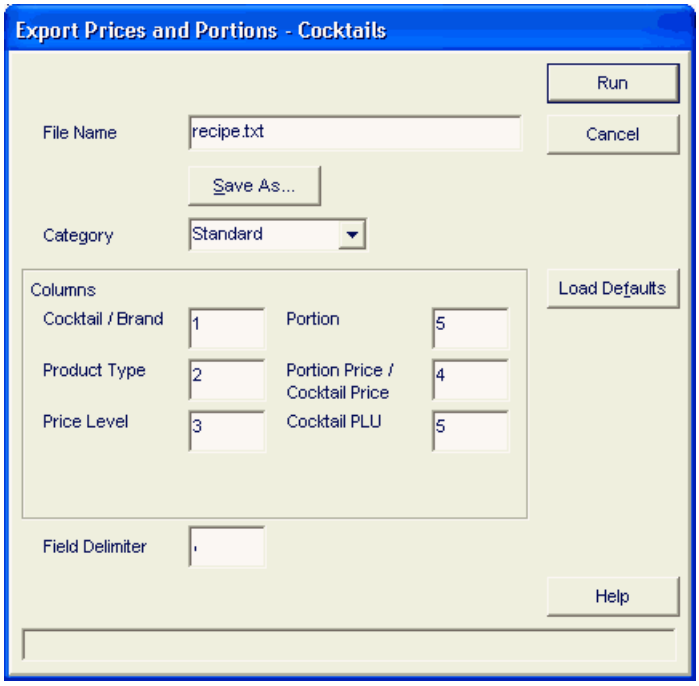
   See *How do I know what to enter for Columns?* in *About Exporting Brand Prices and Portions* in this section.

The columns **Brand**, **Price Level** and **Size** are required.

If you don't want a **Product Type** column, type a zero. (If you then import the file to another Infinity installation, any brands in the file not already in the importing database receive "Liquor" as the product type.)

If you've chosen to export prices and portions of only one product type, the **Product Type** column is grayed out.

If you enter a zero for **Portion**, **Portion Price** or **PLU**, these entries in your database are not included in the file.



7. Type the **Column Separator**. This is the character used to separate columns of information in each line of the import file. The default is a comma (,).

8. Click **Run** to export price portion data to the selected file.

About Exporting Cocktail Prices and Portions

What does it mean to export cocktail prices and portions?

Exporting means you tell Infinity to copy the cocktail recipes, prices and portions entered in your Infinity database to a file.

What will be in the export file?

The cocktail export file contains a separate line of text for each price level of every cocktail in your database. Each cocktail line lists the cocktail name, price level, price and, optionally, PLU. For example:

Margarita,Cocktail,A,3.00,208
Margarita,Cocktail,B,4.00,209
Margarita,Cocktail,C,5.00,210

In these file excerpts, **Cocktail/ Brand** name is column **1**, **Product Type** is column **2**, **Price Level** is column **3**, **Portion Price/Cocktail Price** is column **4**, **Portion** is column **5** and **Cocktail PLU** is column **5**.

In addition, directly following these cocktail lines is a separate line of text for each price level of every ingredient in the cocktail. Each ingredient line lists the brand name, price and portion at the specified price level. For example:

Tequila,Liquor,A,1.50,0.50
Tequila,Liquor,B,2.00,0.50
Tequila,Liquor,C,2.50,0.50
Triple Sec,Liquor,A,0.75,0.50
Triple Sec,Liquor,B,1.00,0.50
Triple Sec,Liquor,C,1.25,0.50

Portions in the export file are listed in the unit of measure set up for your database. Prices are listed in the unit set up for your computer.

Each separate item in a line is called a "column". Columns are separated by a single character called a "column separator" (usually a comma).

How do I know what to enter for Columns on the Export screen?

Columns refers to the order of the price/portion information in each line of your export file. For example, in the following sample line from an export file, the **Cocktail** name is listed first, so it's column 1.

Margarita,Cocktail,A,3.00,208

You should enter a number next to each column name on the **Export Prices and Portions** screen specifying the order you want it to appear in your export file. There is no pre-set "correct" order. Find out if the importing program requires a specific order, use your own preference, or click **Load Defaults** to use the Berg default column order.

If you don't want a column included in your file (for example, you're not using PLUs), type a zero next to the column name to indicate the information shouldn't appear in your file.

Notice the **Cocktail** name and **Brand** name of ingredients must have the same column number. The **Cocktail Price** and **Portion Price** of each ingredient must have the same column number.

If you use **Cocktail PLUs**, you can use the same column number for **Cocktail PLU** and ingredient **Portion** (since one applies only to cocktail lines and the other to ingredient lines). Or they may be different columns.

How does the file show where one cocktail recipe ends and another begins?

Cocktail recipes are distinguished one of two ways: using a **Product Type** column or using a blank line in the file.

If you use a Product Type column, the word "*Cocktail*" in the Product Type column signals the start of a cocktail definition. Any succeeding lines in the file with a different product type are considered ingredients in the cocktail recipe.

If you don't use a Product Type column, there will be a blank line in the file between each cocktail definition.

The method you use depends on the importing program or your preference. Either method exports cocktails accurately. You specify you're using a **Product Type** column when you enter a number for its **Column** order on the **Export** screen. Type a zero if you're not using this column and a blank line appears between cocktail definitions in the export file.

Compare the following excerpts from sample cocktail export files:

Product Type

```
Black Russian,Cocktail,A,3.50,211
Black Russian,Cocktail,B,3.50,212
Black Russian,Cocktail,C,3.50,213
Vodka,Liquor,A,2.25,1.25
Vodka,Liquor,B,2.25,1.25
Vodka,Liquor,C,2.25,1.25
Coffee Liqueur,Liquor,A,1.50,0.75
Coffee Liqueur,Liquor,B,1.50,0.75
Coffee Liqueur,Liquor,C,1.50,0.75
Daiquiri,Cocktail,A,3.50,232
Daiquiri,Cocktail,B,3.50,233
Daiquiri,Cocktail,C,3.50,234
.
.
.
```

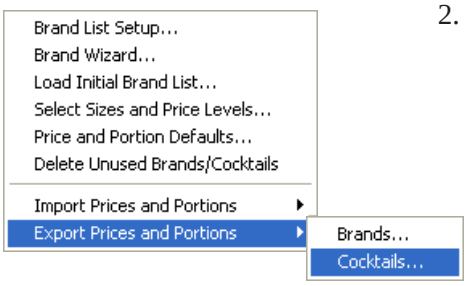
Blank Line

```
Black Russian,A,3.50,211
Black Russian,B,3.50,212
Black Russian,C,3.50,213
Vodka,A,2.25,1.25
Vodka,B,2.25,1.25
Vodka,C,2.25,1.25
Coffee Liqueur,A,1.50,0.75
Coffee Liqueur,B,1.50,0.75
Coffee Liqueur,C,1.50,0.75

Daiquiri,A,3.50,232
Daiquiri,B,3.50,233
Daiquiri,C,3.50,234
.
.
.
```

Export Cocktail Prices and Portions

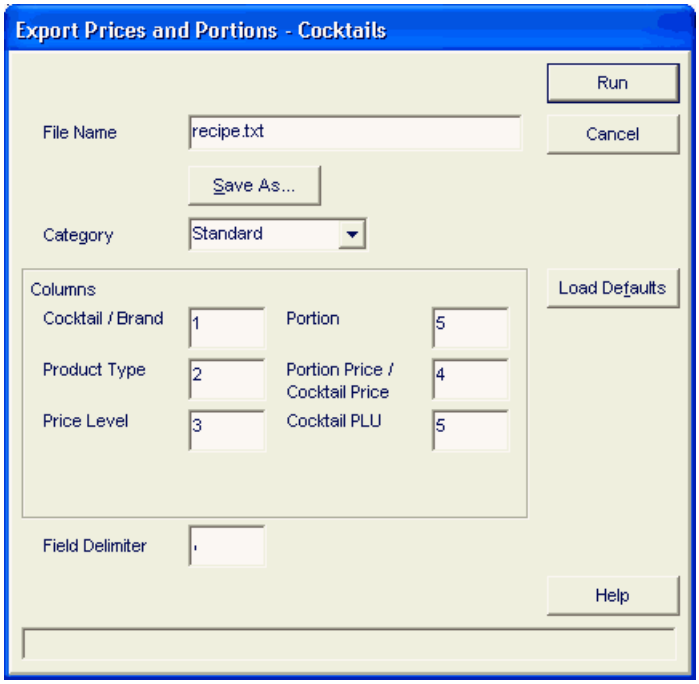
Perform this task to copy to a file existing cocktail prices and portions in your **Infinity** database. You must enable the Enterprise Edition of **Infinity** to export. See *About Exporting Cocktail Prices and Portions* in this section for further information.



To export cocktail prices and portions:

1. Run **Manager**.

2. Pull down the **Pouring** menu and point to **Brand Operations**. Point to **Export Prices and Portions** and click **Cocktails...**.



3. Click **Save As...** to select the **File Name** and path. Select the folder, type a file name for the export file and click **Save**.

4. Select the price portion **Category** you're exporting.

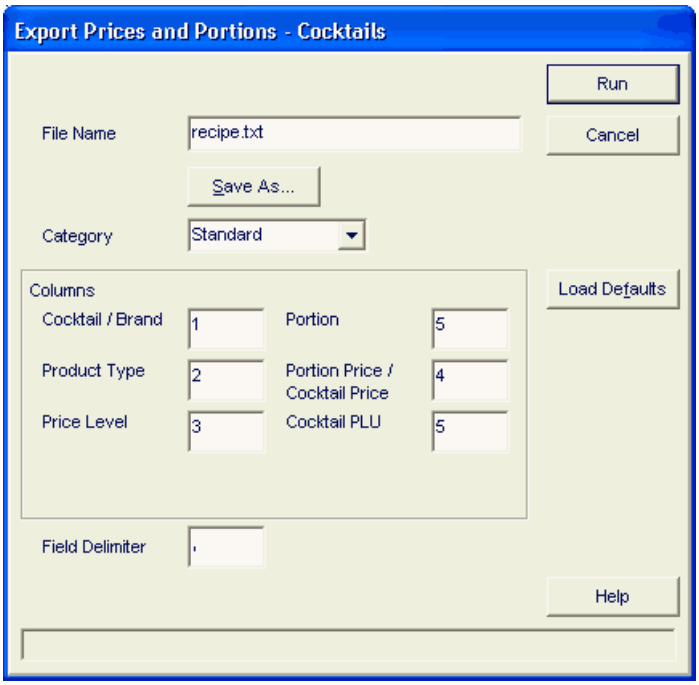
5. Specify the order of the **Columns** in the export file by entering a number for each column. Enter a 0 (zero) for any column you don't want to export.

   See *How do I know what to enter for Columns?* in *About Exporting Cocktail Prices and Portions* in this section.

The columns **Cocktail/Brand** and **Price Level** are required.

If you don't want a **Product Type** column in the export file, type a zero. In this case, a blank line appears between cocktail definitions in the export file. See *How does the export file show where one cocktail recipe ends and another begins?* in *About Exporting Cocktail Prices and Portions*.

If you enter a zero for **Size**, **Portion**, **Portion Price/ Cocktail Price** or **Cocktail PLU**, these entries in your database are not included in the file.



6. Type the **Column Separator**. This is the character used to separate columns of information in each line of the import file. The default is a comma (,).

7. Click **Run** to export price portion data to the selected file.

SECTION

12 Calibration

Calibration ensures the amount of beverage poured by a dispenser matches the amount recorded by the ECU. Unless you calibrate your dispensers they can't be expected to pour accurate portion sizes. After you've assigned brands to each dispenser, you must calibrate the dispensers by checking the accuracy of calibration pours and making any necessary adjustments using **Infinity** software. If you are converting a stand-alone TAP 1 system to work with **Infinity**, enter the meter counts and flow rates (listed on a TAP 1 configuration report) before performing calibration. *See Initialize Calibration Values* in this section. This section provides help with the following tasks:

What is Calibration? 12-2

Align All-Bottle 7 Activator Rings 12-4

Store Alignment Values 12-6

Default Alignment Values 12-8

Calibrate Dispensers 12-10

Show Advanced Calibration Choices 12-15

Modify Calibration Units and Accuracy 12-16

Enter Calibration Mode 12-18

Exit Calibration Mode 12-21

Initialize Calibration Values 12-22

What is Calibration?

Calibration is the process of checking and adjusting the amount of beverage poured from each **Infinity** dispenser. Using the calibration process, you tell **Infinity** how long to pour individual brands at a specific dispenser to achieve the desired portion size. If you are unsure about the need for calibration or the process involved in calibrating an **Infinity** system, the following tips may be helpful.

Why do I have to calibrate? Isn't the system calibrated at the factory?

It's true that each **Infinity** dispenser is set up with default calibration values. However, these values are identical for every All-Bottle pourer code and Laser gun button. (TAP 1 taps have default flow meter counts or flow rates.) Since each system is unique as to brands poured, lengths of tubing, location of equipment, etc., the default calibration values may give unpredictable results. The actual flow rates of different brands can vary significantly. (A two second pour of Schnapps yields less volume than a two second pour of vodka.) Slight variations in lengths of tubing runs or tubing diameters also affect the accuracy of pours. The *only* way to make sure a system pours accurately is to calibrate each dispenser using the brands assigned to the dispensers.

Can't I just copy the calibration of one dispenser to another?

Yes, if you have All-Bottle dispensers. You can calibrate the coded pourers of one dispenser and copy the calibration values to any other All-Bottle dispensers pouring identical brands. (Since All-Bottle dispensers do not use tubing, there is little variation in calibration values between two dispensers that pour identical brands.) See *Copy ECU* or *Copy Dispenser* in the *Brands, Cocktails, Prices and Portions* section.

You can't copy the calibration values of Laser or TAP 1 dispensers. Each Laser gun or tap controller has its own tubing length, beverage source, etc., so each needs to be calibrated separately. However, you can use the Dispenser Calibration feature to calibrate one button on a Laser gun and copy its values to all other buttons on the gun. (See *Calibrate Dispensers* in this section.) Be sure to calibrate other buttons on the gun that pour beverages with significantly different flow rates. You don't have to calibrate each button on a TAP 1 tap.

What is activator ring alignment? Is it the same as calibrating?

Activator ring alignment is only performed for All-Bottle 7 dispensers. It ensures the activator ring accurately recognizes each pourer code. Though the activator ring is aligned at the factory, the subtle electronic signals it uses to identify the pourer codes can be affected by installation and changes in components or cables. Aligning the activator ring is a separate task and should be performed before calibration.

How does calibration work?

When you calibrate, you put a dispenser in calibration "mode". In this mode, the dispenser pours only calibration portion sizes. You then go to the dispenser and pour a calibration portion size in a measuring cup or cylinder. At the computer, you enter the exact amount poured. **Infinity** calculates the difference between the amount poured and the calibration portion size. It calculates the difference as a percentage and determines if the percentage is within the defined level of accuracy. If it is not, the calibration values are changed so a more accurate pour results.

What is level of accuracy or % accuracy?

The level of accuracy is the percentage difference between the amount poured and the amount expected. (A 0% difference means the pour measures exactly as expected.) The default level of accuracy for **Infinity** is a difference of no greater than 10% between the actual pour and the expected pour. If a pour has a percentage difference greater than 10%, you can choose to pour again. (You can change the default 10% level of accuracy. See *Modify Calibration Units and Accuracy* in this section.)

Example of % accuracy

For example, the calibration portion size for TAP 1 is 16 oz. If you pour at a tap and the pour measures only 14 oz, the difference between the expected pour and the actual pour is 2 oz. Figured as a percentage, 2 oz is 12.5% of the calibration portion size. Since 12.5% is greater than the acceptable 10% difference, **Infinity** prompts you to pour again. The next pour measures 15 oz, which has a percentage difference of 6.2% from the expected amount. Since 6.2% is within the 10% level of accuracy, the amount poured is considered close enough to the expected amount. You can move on to calibrate the next tap. (You don't have to perform any calculations to calibrate--**Infinity** does all the calculating.)

When do I calibrate?

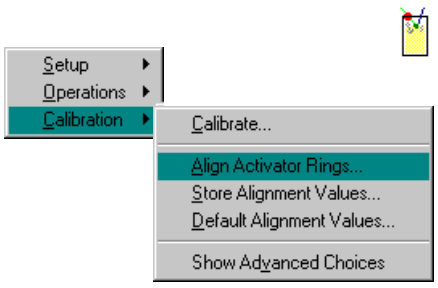
You should calibrate a new system after you've installed all hardware and software and set up the equipment in the software. You should re-calibrate a dispenser if you change the brands poured at the dispenser, or if you make any adjustments to delivery pressure, tubing diameter, etc., or if a brand appears to pour inaccurate portions. Berg recommends you calibrate All-Bottle pourers when the beverage volume is in the middle third of the bottle.

What if I don't calibrate?

If you don't calibrate a new system, unexpected portion sizes often result. If you then try to adjust portion size amounts to account for the unexpected portions, you'll only create more chances for errors in the system. When you call Berg service personnel for help with the errors, they'll ask you to calibrate the system before proceeding with anything else.

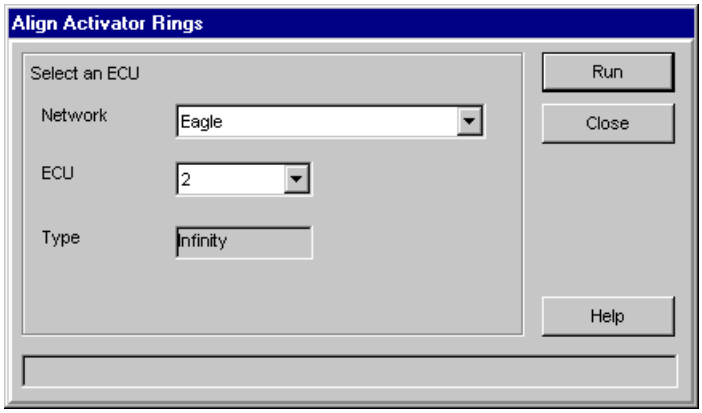
Align All-Bottle 7 Activator Rings

All-Bottle activator rings "read" the subtle electronic signals on each coded pourer to assign the correct price and portion information to a pour. Aligning the activator rings is an important procedure that ensures the activator rings can recognize each pourer's code. You should perform the alignment before calibration and any time you make changes to the I-Box or the activator ring itself. Even changing the length of the cable between the ECU and the I-Box can alter activator ring alignment, so perform this procedure as needed. Use a complete set of coded pourers when you perform the activator ring alignment. You don't need to perform this task for 1544 Infinity ECUs or All-Bottle ID dispensers.



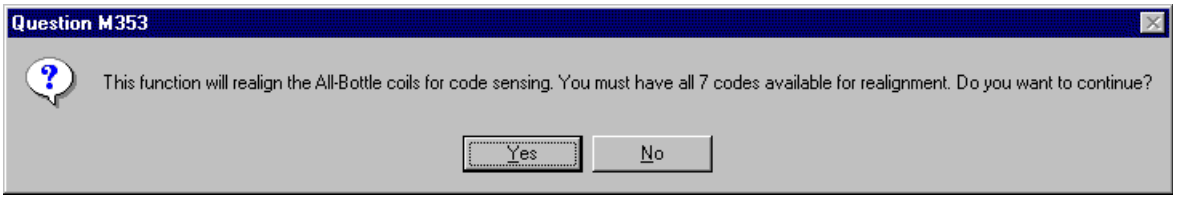
To align All-Bottle activator rings:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Calibration**. Click **Align Activator Rings.....**

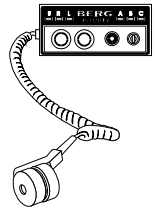


3. Select the name of the **Network**.
4. Select the number of the **ECU** with an All-Bottle activator ring you want to align. Only ECUs with an All-Bottle 7 dispenser are shown.
5. Click **Run** to put the activator ring into alignment mode.

   A message reminds you of the need for a complete set of coded pourers. Make sure the activator ring is in an upright position before proceeding.

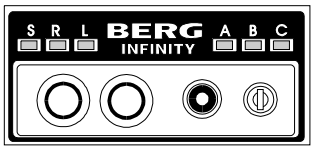

Question M353
This function will realign the All-Bottle coils for code sensing. You must have all 7 codes available for realignment. Do you want to continue?
Yes
No

6. Click **Yes** to continue with the alignment or click **No** to cancel the alignment.

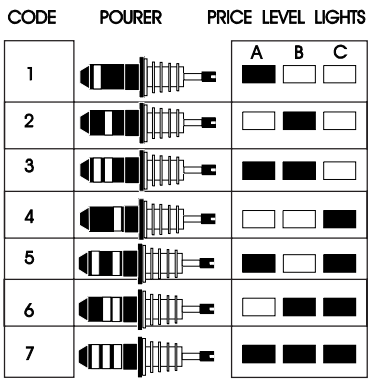


Portion size indicator lights

Price level indicator lights



Berg light



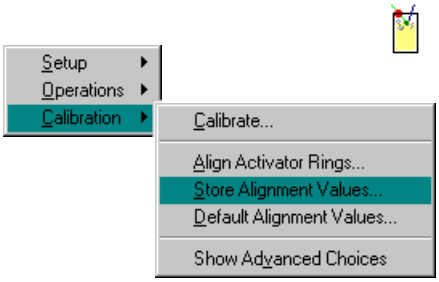
Code Chart

7. Repeat steps 3-6 for every ECU with an activator ring you want to align.
8. Go to any of the activator rings you put into alignment mode. Take a complete set of coded pourers with you.
9. Hold the activator ring upright (as though you were holding a bottle) and place the coded pourers in sequence within convenient reach of your other hand.
10. Make sure the dispenser is ready for you to continue by observing the lights on the dispenser. All six of the portion size and price level indicator lights should be off while the Berg light is blinking.
11. **IMPORTANT.** Turn the empty activator ring over as if to pour a drink and hold the ring in this position until the price level indicator lights change. (This transmits the "no-bottle" state of the activator ring to the ECU.)
12. Return the activator ring to the upright position and insert the pourer that corresponds to the display of price level indicator lights (see the code chart).
13. Tip the activator ring and the pourer upside down and hold in this position until the price level indicator lights change again. (Tipping the activator ring signals the ECU to read the pourer code and change the indicator lights.)
14. Repeat steps 12 and 13 for each of the other coded pourers.

    If a wrong pourer is used for any part of the alignment procedure, finish all remaining tilts for that ECU before starting over at step 3 for that ECU (just tilting with an empty ring is OK).
15. When you've completed the alignment using all coded pourers, the Berg light stops blinking to indicate the procedure for that dispenser is finished.
16. Repeat steps 8-15 for every activator ring you want to align.
17. Return to the computer and click **Close** to exit the **Align Activator Rings** screen.
18. Import the activator ring alignment values from the ECUs to the computer. See *Store Alignment Values* in this section.

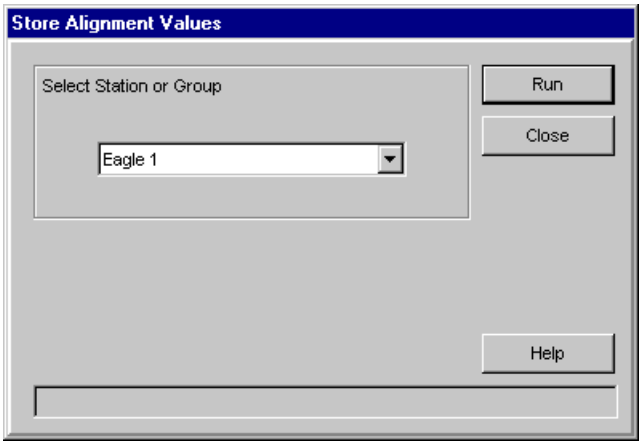
Store Alignment Values

Perform this procedure after aligning All-Bottle activator rings. This procedure imports the activator ring alignment values from the ECUs to "store" them at the computer. It's important for the computer to have a copy of the alignment values so they can be reset at the ECUs if necessary. (If you perform a Restore Station Memory, alignment values at the ECU are reset using the values stored at the computer.)

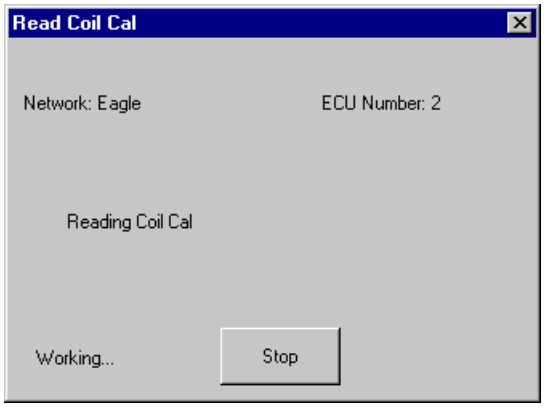


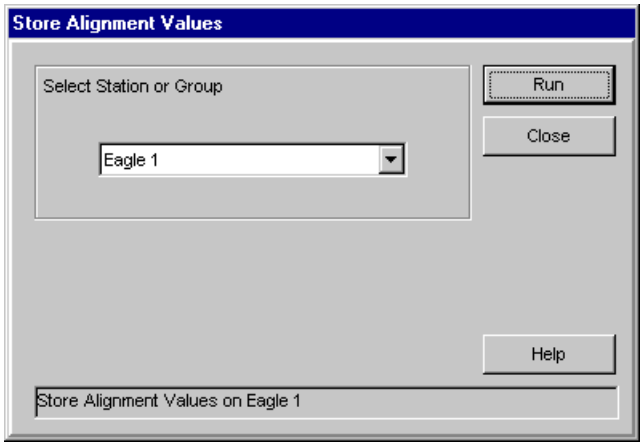
To store alignment values:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Calibration**. Click **Store Alignment Values.....**



3. Select the name of the **Station** or **Group** with alignment values you want to import. (Select your master group to import the values for all activator rings in one step.)
4. Click **Run** to import the alignment values from the ECU(s) to the computer.



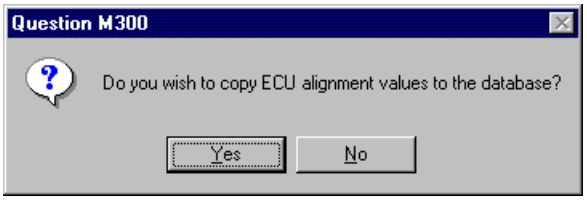


A message informs you when the alignment values are stored.

5. Click **Close** to exit the **Store Alignment Values** screen.

Note

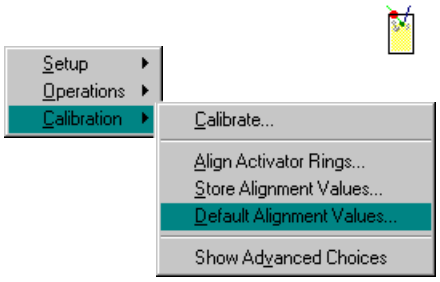
- If you forget to store alignment values at the computer after performing an activator ring alignment, you'll be prompted to perform this task when you exit the **Manager** program.



Click **Yes** to store the alignment values.

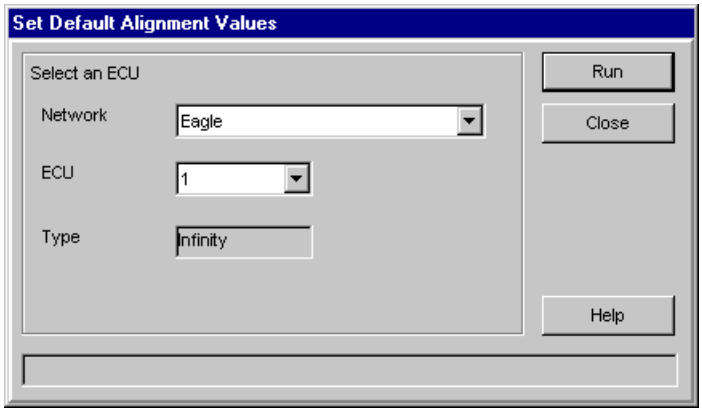
Default Alignment Values

When you set up a new ECU with an All-Bottle dispenser in the software, default alignment values are automatically defined for that activator ring. If you do not have a complete set of coded pourers or something happened to the stored alignment values in your database, use this procedure as a temporary way to set up activator ring alignment values. The default values work for most situations. (If the default values do not work for your coded pourers, you'll need to perform the alignment process. See *Align All-Bottle Activator Rings* in this section.) Berg recommends always aligning the activator rings.

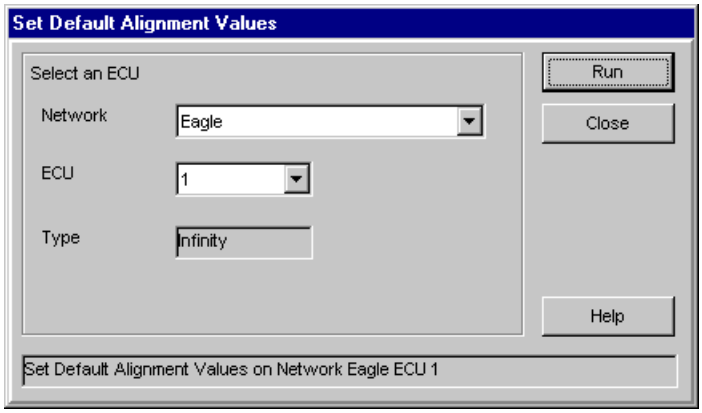


To set default alignment values:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Calibration**. Click **Default Alignment Values.....**



3. Select the name of the **Network**.
4. Select the number of the **ECU** with an All-Bottle activator ring.
5. Click **Run** to set default alignment values for the ECU.



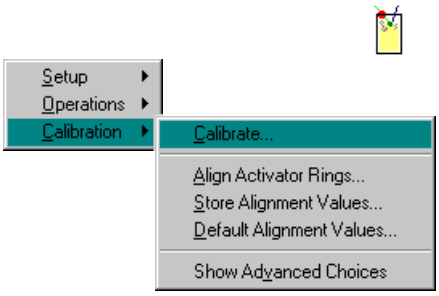
A message informs you when the default values are set.

6. Repeat steps 3-5 for every ECU with an All-Bottle activator ring.
7. Click **Close** to exit the **Set Default Alignment Values** screen.

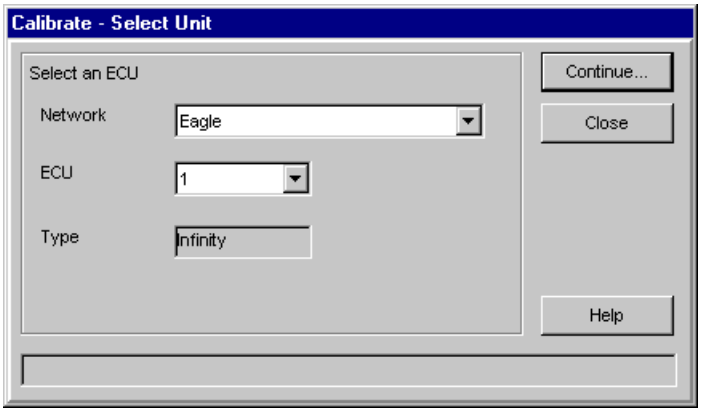
Calibrate Dispensers

Calibration provides the data **Infinity** uses to fine-tune the duration of each pour and deliver accurate portions. The calibration procedure involves measuring pours at the dispensers, entering the amount of the pours at the computer, and re-pouring and measuring (as necessary) until the level of accuracy for the pour is acceptable. It's helpful to have a partner or carry a portable computer from dispenser to dispenser when performing the calibration procedure.

■ To calibrate dispensers:



1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Calibration**. Click **Calibrate....**.



If you want to put more than one ECU into calibration mode at a time see *Enter Calibration Mode* in this section.

3. Select the name of the **Network**.
4. Select the **ECU** with dispensers you want to calibrate.
5. Click **Continue...**.

   The **Select a Brand to Calibrate** screen appears. The tabs on the screen of an Infinity ECU represent the Laser and All-Bottle dispensers connected to the ECU.

6. Select a **Button** number (Laser), pourer **Code** number (All-Bottle) or **Disp.** number (TAP 1) on the displayed dispenser tab.
7. Click **Continue...** to calibrate only the brand you've selected.

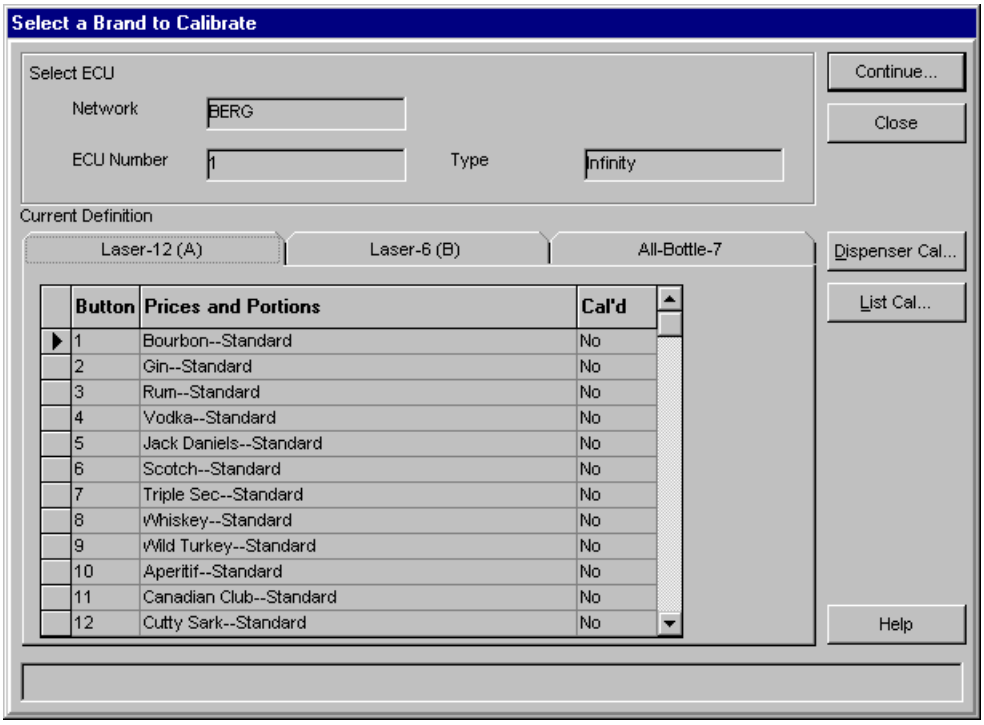
   OR

   Click **Dispenser Cal...** to calibrate the selected brand and copy its calibration values to all other brands at the dispenser (All-Bottle or Laser only). Select a brand that is representative of the viscosity (or thickness) of most brands at the dispenser. Click **Yes** to continue.

Dispenser Calibration

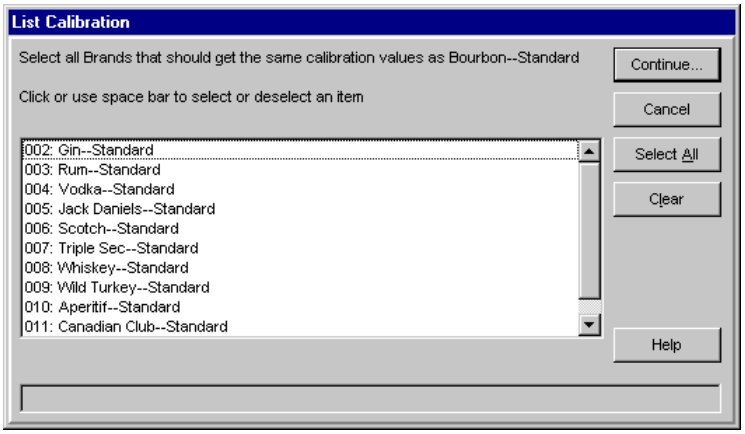
- You can speed up the process of calibrating All-Bottle pourer codes and Laser gun buttons using "dispenser calibration". (Click the **Dispenser Cal...** button.)
- Dispenser calibration copies the timing values of the selected Laser button to all other buttons on the gun or the values of one pourer code to all other All-Bottle codes at the dispenser. This brings the values for all buttons or coded pourers (at that dispenser) closer to the correct range.
- You still have to calibrate the other buttons and pourer codes using "brand calibration"—just click **Continue...** after you select a brand. (Use the **Dispenser Cal...** button only once for each dispenser.)

Laser and All-Bottle dispensers



OR

Click **List Cal...** to calibrate the selected brand and copy its calibration values to selected brands at the dispenser(All-Bottle or Laser only).



Select the brands to receive the calibration values and click **Continue...**. (Press the space bar or click to select or de-select brands. Click **Select All** to select all brands or **Clear** to de-select all brands.)

Wait while the dispenser is put into calibration mode.

8. Click **OK** to confirm calibration mode.

List Calibration

- List calibration is similar to Dispenser calibration. However, you can select which brands at the dispenser receive the selected brand's calibration values.
- List calibration copies the timing values of the selected brand to other brands which you select on the gun. Or it copies the values of one pourer code to any other pourer code you select at the dispenser. This brings the values for all buttons or coded pourers which you've selected closer to the correct range.
- For the most accuracy, you still have to calibrate the other buttons and pourer codes using "brand calibration"—just click **Continue...** after you select a brand.

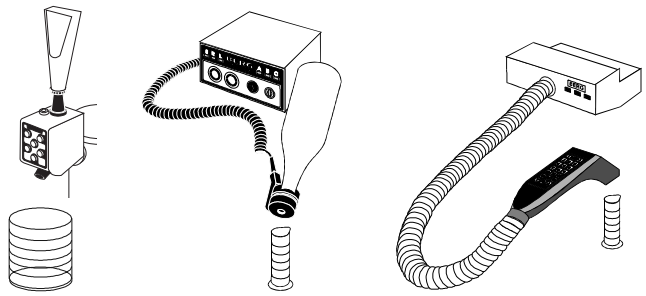
Calibration Mode

- **All-Bottle, Laser/Laserita dispensers:** The regular portion size doesn't work. With EPROMS 3.0 or greater, the small portion size light at the I-Box or on the Laser gun blinks. After you pour a small portion, the portion size switches to large. (You can still toggle between the two.) You can't set the portion size to regular. An All-Bottle ID dispenser displays "Calibrate" and the intended pour size.
- **TAP 1 dispensers:** All tap buttons pour 16 oz. With EPROMs 3.0 or greater, the lights behind tap buttons 2, 3, and 4 go out.
- **1544 Infinity dispensers:** All size and price level lights go on.
- When you complete the calibration steps, you automatically exit calibration mode. With EPROMs 3.0 or greater, none of the calibration pours are recorded as sales.

Cal Portions

- Calibration will be the most accurate if your calibration pours are the same as typical pours of the selected brand. See *Modify Calibration Units and Accuracy* in this section to set your portions before calibration.
- Click **Cal Portions...** to change the expected calibration amount to match a typical pour.
- Enter a typical **Small Portion** and **Large Portion** or **1544 Portion** or **Laserita Small** and **Laserita Large** for the brand.
- These entries become the **Expected** portion amounts for calibration.
- Check **Temporary** to use these calibration portions for this brand only during this session.
- Uncheck **Temporary** to use these portions as default calibration portions for the ECU type.

9. Go to the selected dispenser and pour a drink using a measuring cup or graduated cylinder. Record the amount of each pour.

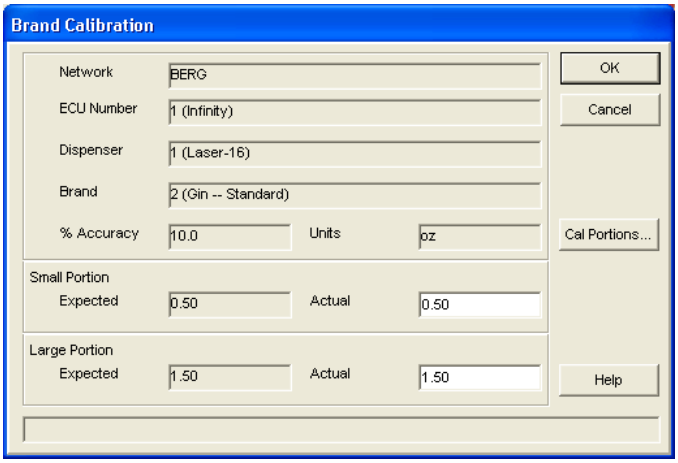


At an All-Bottle or Laser dispenser, pour a small portion first and then a large portion with the button number or coded pourer you selected. (Berg recommends you calibrate All-Bottle pourers when the beverage volume is in the middle third of the bottle.)

At a TAP 1 tap, pour a single portion with button 1 at the tap number you selected. (Wait for any foam to settle before measuring.)

At a 1544 Infinity ECU, pour a single portion with the coded pourer you selected.

10. At the computer type the exact amount poured.



For All-Bottle, Laser and Laserita dispensers, enter the exact small portion in the **Small Portion Actual** field and the exact large portion in the **Large Portion Actual** field.

OR

For a 1544 Infinity dispenser, enter the exact amount in the **1544 Portion Actual** field.

Click **Cal Portions...** if you need to change the calibration portion amount expected (excluding TAP 1).

TAP 1 Calibration

A tap's dispensing mode determines its calibration. Note there is no **Cal Portions...** shortcut button when calibrating a tap.

Flow Meter

To calibrate a flow meter tap, you'll be prompted to calibrate first in Timer Mode and then in Flow Meter mode. (This provides accurate calibration values in the event Timer Mode is used as a backup for Flow Meter operation.)

Pour, measure, enter the amount and repeat as necessary in Timer Mode. As soon as you're satisfied with the level of accuracy, the tap switches to Flow Meter calibration mode. Repeat the steps for the same tap now in Flow Meter mode.

Timer Mode

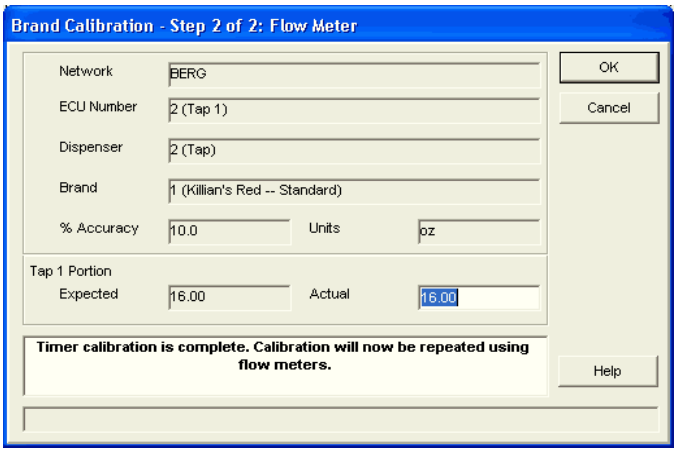
Calibrate a tap in Timer Mode as you would any other dispenser: pour, measure and enter a portion amount and repeat until satisfied with the level of accuracy.

Monitor Mode

TAP 1 lines in Monitor mode have no expected calibration portion amounts. You can't discern calibration mode at the tap with lights or programmed portion sizes.

Pour a fairly large portion (16 oz), measure and enter the amount. This actual amount is compared with the amount recorded by the ECU. Repeat until satisfied with the level of accuracy.

Monitor mode calibration pours will be recorded as sales.

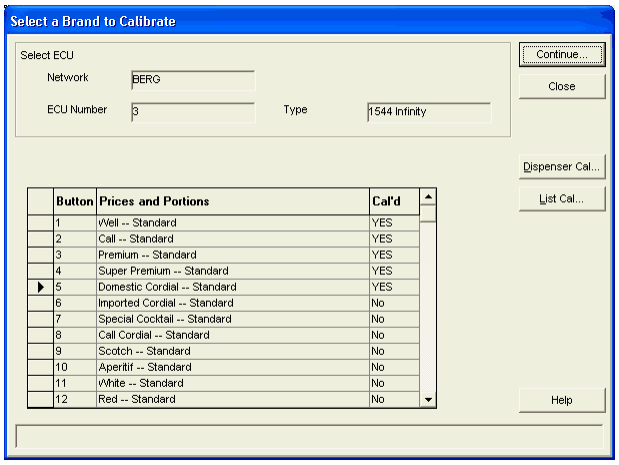


OR

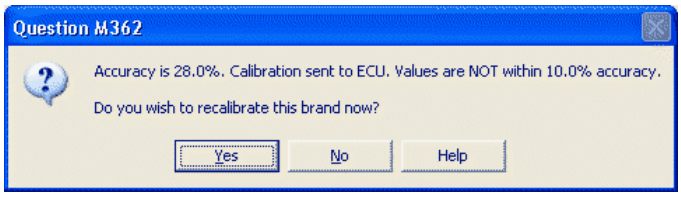
For a TAP 1 dispenser, enter the exact amount in the **TAP 1 Actual** field.

11. Click **OK**. Wait while the level of accuracy is calculated.

12. If the values are within the accepted accuracy range, you'll see a **YES** in the **Cal'd** column indicating the brand is calibrated. Proceed with step 14.



OR


Question M362
Accuracy is 28.0%. Calibration sent to ECU. Values are NOT within 10.0% accuracy.
Do you wish to recalibrate this brand now?
Yes
No
Help

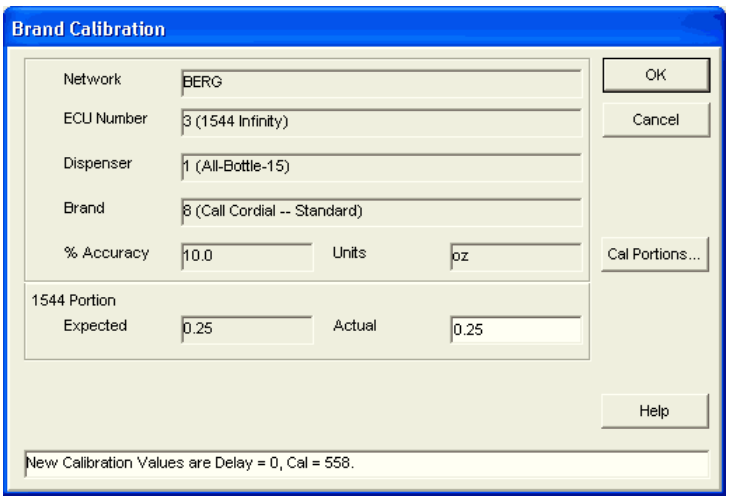
If the values are not within the accepted accuracy range, click **Yes** to re-calibrate. If you click **No**, **Infinity** considers the brand calibrated but it might not pour at the accepted level of accuracy.

(continued on next page)

Level of Accuracy

Level of accuracy is the percentage of difference between the amount poured and amount expected. The default level of accuracy is 10%.

If you need to change the calibration unit of measure or the level of accuracy see *Modify Calibration Units and Accuracy* in this section.



13. If you clicked **Yes** repeat steps 9-12 until the level of accuracy is acceptable. Each time you enter a new amount for an actual pour, **Infinity** recalculates the **Delay** and **Cal** values needed to bring the actual pour closer to the calibration portion size.

14. Select the next button, coded pourer or tap to calibrate and repeat steps 7-13. Do not click **Dispenser Cal...** for more than one button or coded pourer at the dispenser.

15. When you've calibrated all button numbers or coded pourers at a dispenser, click the tab for the next dispenser (if any) at an Infinity ECU and repeat steps 7-14.

16. When you've calibrated all dispensers at the ECU click **Close** to exit the **Select a Brand to Calibrate** screen.

17. Repeat steps 3-16 for each ECU in the system.

18. Click **Close** to exit the **Calibrate - Select a Unit** screen.

Notes

- ❑ If you are converting a stand-alone TAP 1 system to work with **Infinity**, enter the meter counts and flow rates (listed on a TAP 1 configuration report) in the software before performing calibration. *See Initialize Calibration Values* in this section.

- ❑ You can copy the calibration values of an All-Bottle dispenser to another All-Bottle dispenser. See *Copy Dispenser Assignments* in the *Brands, Cocktails, Prices and Portions* section. You can't copy the calibration values of Laser or TAP 1 dispensers to other dispensers.

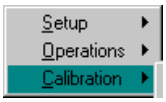
- ❑ All-Bottle ID dispenser calibration values are automatically copied to all other All-Bottle ID dispensers.

Show Advanced Calibration Choices

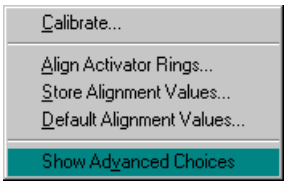
To see more calibration menu items you can select this option. The additional menu items help you perform tasks you may not use your first time calibrating an **Infinity** system. The advanced calibration choices include the following menu items: **Units and Accuracy...**, **Enter Calibration Mode...**, **Exit Calibration Mode**, and **Initialize Calibration Values...**.

To access advanced calibration choices:

1. Run **Manager**.



2. Pull down the **Equipment** menu and point to **Calibration**.



3. Click **Show Advanced Choices** to see additional menu items.

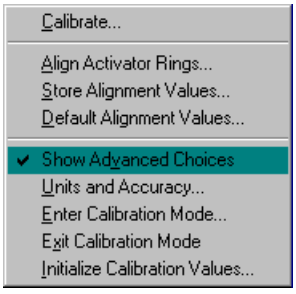
   The menu disappears. When you access it again the **Calibration** menu shows additional items and continues to do so until you hide them again.

To hide advanced calibration choices:

1. Run **Manager**.

2. Pull down the **Equipment** menu and point to **Calibration**.

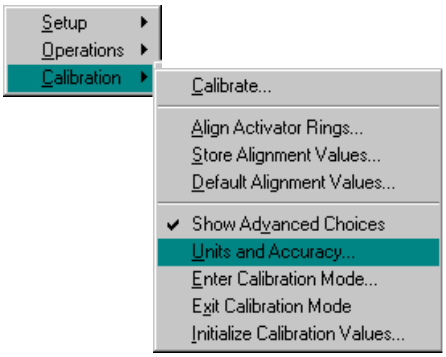
3. Click **Show Advanced Choices** (it should be checked) to hide the additional menu items.



   The menu disappears. When you access it again the **Calibration** menu hides the additional items and continues to do so until you access them again.

Modify Calibration Units and Accuracy

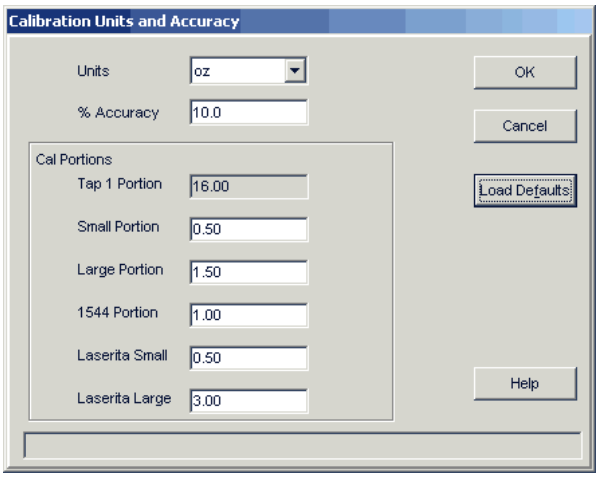
Perform this task if you want to change the default calibration unit of measure, the default calibration level of accuracy, or the default calibration portion sizes. A common reason for changing the default unit of measure is the use of metric units on graduated cylinders. You can change the calibration unit of measure to milliliters (or any other unit) without affecting the unit of measure set up for the entire system. The default level of accuracy is 10% but you may want to change this if you need a higher level of accuracy. You may want to modify the default calibration portion sizes if you prefer to pour calibration portions that are exactly the same as your small and large portion sizes. To perform this task you must first expand the **Calibration** menu. See *Show Advanced Calibration Choices* in this section.



■ To modify calibration units and accuracy:

1. Run **Manager**.

2. Pull down the **Equipment** menu and point to **Calibration**. Click **Units and Accuracy.....** (**Show Advanced Choices** must be checked.)

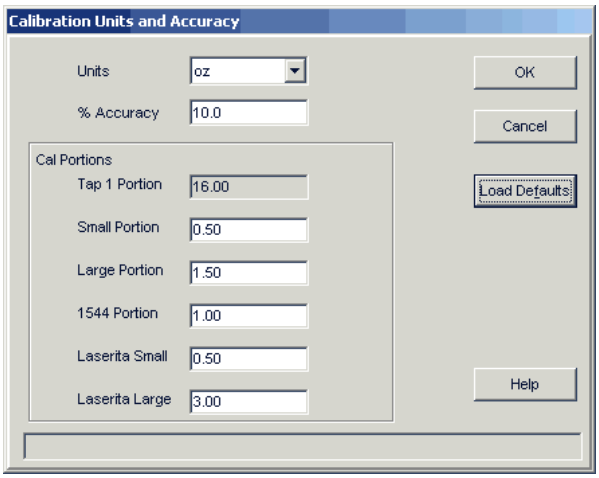


3. Select the **Units** in which to measure calibration portion sizes. Choose from ounces (oz), milliliters (ml), cubic centimeters (cc), centiliters (cl) or liters (l). (Your selection changes the calibration unit only; it doesn't change the unit of measure you selected on the **Country Options** screen.) The default calibration unit of measure is whatever unit your system uses.

4. Type the **% Accuracy**. The percentage of accuracy is the percentage difference between the amount actually poured and the calibration portion size. The percentage of accuracy must be between 2% (high level of accuracy) and 50% (low level of accuracy). The default level of accuracy is 10%. (For further discussion of level of accuracy see *What is Calibration?* in this section.)

TAP 1 Portion

You can't modify the TAP 1 calibration portion size–it remains set at 16 oz (475 ml).



5. Type the **Small Portion** size. This is the small portion size All-Bottle and Laser dispensers pour when they are in calibration mode. The small portion size must be at least .25 oz (7.5 ml) and no larger than one-third of the large portion size. The default small portion size is .5 oz (15 ml).

6. Type the **Large Portion** size. This is the large portion size All-Bottle and Laser dispensers pour when they are in calibration mode. The large portion size must be at least 3 times greater than the small portion size and no greater than 300 oz (3000 ml). The default large portion size is 1.5 oz (45 ml).

7. Type the **1544 Portion** size. This is the single portion size 1544 Infinity ECUs pour when they are in calibration mode. This portion size must be between .25 oz (7.5 ml) and 300 oz (3000 ml). The default 1544 portion size is 1 oz (30 ml).

8. Type the **Laserita Small** size. This is the small portion size Laserita dispensers pour when they are in calibration mode. The small portion size must be at least .25 oz (7.5 ml) and no larger than one-third of the Laserita Large size. The default small portion size is .5 oz (15 ml).

6. Type the **Laserita Large** size. This is the large portion size Laserita dispensers pour when they are in calibration mode. The large portion size must be at least 3 times greater than the Laserita Small size and no greater than 300 oz (3000 ml). The default large portion size is 3 oz (90 ml).

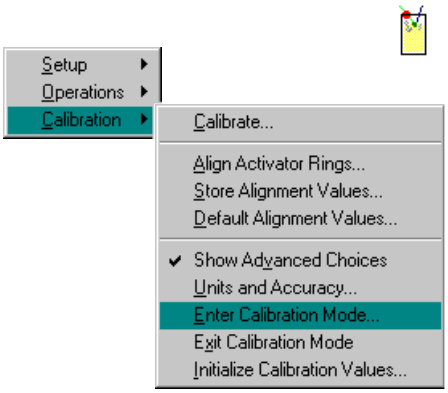
8. Click **OK** to save your entries and exit the **Calibration Units and Accuracy** screen.

Notes

- **Infinity** retains any changes you make to calibration units and accuracy.

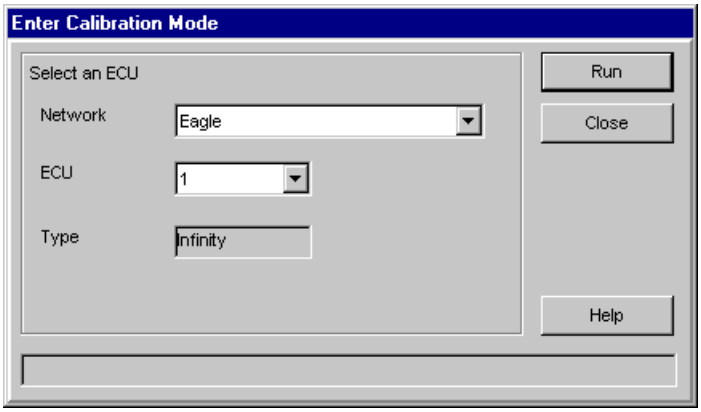
Enter Calibration Mode

This advanced calibration feature lets you put any number of ECUs in calibration mode at the same time. You still perform the same basic calibration tasks described in *Calibrate All Dispensers* in this section. However, if you use this feature you can save trips back and forth to the computer. For example, if the computer is in an office distant from the bar, you can go to the office, put all the ECUs in calibration mode and then go to the bar. At the bar, you can pour and record calibration portions at all dispensers. Then go back to the office to enter the actual pour amounts. Jot down any dispensers that need an additional pour (click No when prompted to "recalibrate at this time"). Go back to the dispensers that need more pours and record the pour amounts. Return to the office to enter the amounts, etc. Instead of making all the back and forth trips for each ECU, you're making them for the entire system. To use this calibration feature, first expand the **Calibration** menu. See *Show Advanced Calibration Choices* in this section.



To enter calibration mode for one or more ECUs:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Calibration**. Click **Enter Calibration Mode.....** (**Show Advanced Choices** must be checked.)



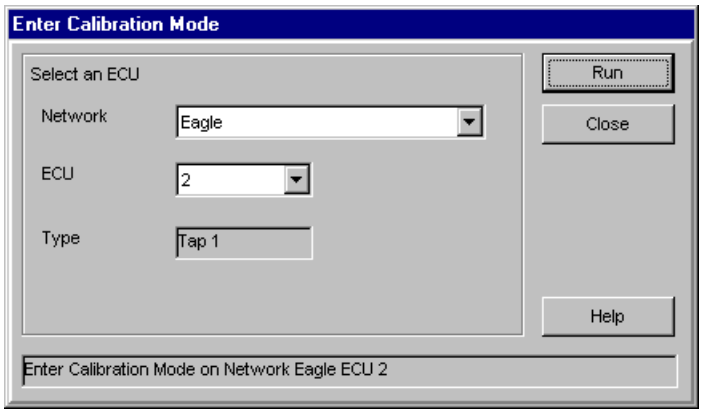
3. Select the name of the **Network**.
4. Select the number of the **ECU** with dispensers you want to calibrate.
5. Click **Run**.

   Wait while the ECU is put into calibration mode.When an ECU is in calibration mode, the regular portion size won't work on Laser and All-Bottle dispensers and all tap buttons pour 16 oz. With EPROMS 3.0 or greater, the small portion size light at the I-Box and on the Laser guns blinks. (After you pour a small portion, the large portion size light blinks.) The lights behind tap buttons 2, 3, and 4 go out. The size and price level lights of a 1544 Infinity ECU go on.

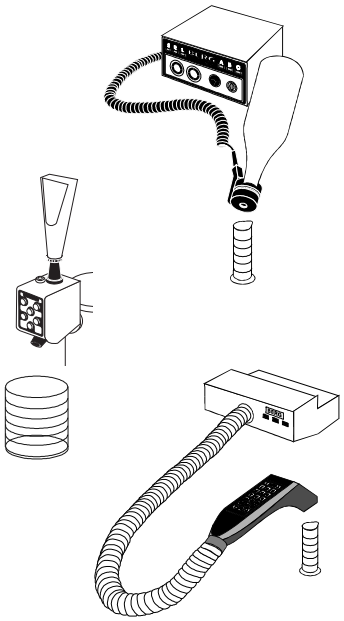
Berg Infinity Manager
After all units are placed in calibration mode, use Calibration | Calibrate to enter the poured volumes
OK

6. Click **OK** when you've read the message box about entering calibration mode.

   The ECU you have selected now pours calibration portion sizes on all dispensers and continues to do so until you use **Exit Calibration Mode...** or exit the **Manager** program. (With EPROMS 3.0 or greater, none of the pours are recorded as sales.) This message only appears for the first ECU you put in calibration mode.



Berg recommends you calibrate All-Bottle pourers when the beverage volume is in the middle third of the bottle.



7. Repeat steps 3-5 for each ECU you want to put in calibration mode.

8. Click **Close** to exit the **Enter Calibration Mode** screen when you have finished entering ECUs.

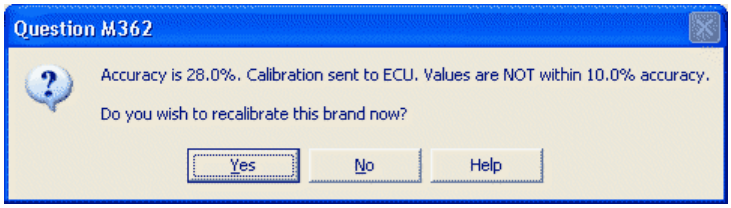
9. Go to the dispensers and pour drink(s) using a measuring cup or graduated cylinder. Record the Laser gun button number or the All-Bottle coded pourer number or the tap controller number and the exact amount of each pour.

   At an All-Bottle or Laser dispenser, pour a small portion first and then a large portion. (For EPROMS 3.0 or greater, All-Bottle and Laser dispensers automatically switch to small portion size when put in calibration mode. After you pour a small portion, they switch to large. You can press either the small or large portion size buttons to toggle between the two sizes. You can't set the portion size to regular.)

   At a TAP 1 tap, pour a single portion with button 1.

   At a 1544 Infinity ECU, pour a single portion with the selected coded pourer. Sizes or price levels can't be changed.

10. Perform the steps outlined in *Calibrate Dispensers*. The only difference is you have already entered calibration mode and made your calibration pours. You still have to select one ECU at a time and enter the amount of the calibration pours.


Question M362
Accuracy is 28.0%. Calibration sent to ECU. Values are NOT within 10.0% accuracy.
Do you wish to recalibrate this brand now?
Yes
No
Help

If the level of accuracy is not acceptable for a pour and you want to conserve trips to the bar, click **No** when prompted to recalibrate at this time. Write down all dispensers that need additional pours. When you finish entering pour amounts make another trip to the bar for additional pours and then return to the computer to re-enter the amounts.

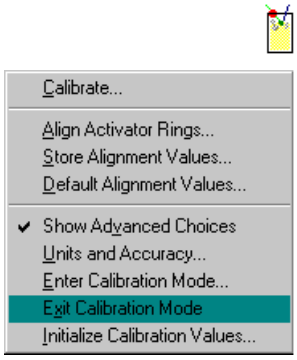
11. When you have completed the calibration process and want to take all the ECUs out of calibration mode, perform the steps outlined in *Exit Calibration Mode* in this section. (The ECUs are not automatically taken out of calibration mode when you complete the calibration process.)

Notes

- ❑ If you change your mind, get interrupted or for any other reason want to take an ECU out of calibration mode before the calibration process is complete see *Exit Calibration Mode* in this section.
- ❑ If you forget to take the ECUs out of calibration mode, you won't be able to pour a regular portion size at Laser or All-Bottle dispensers and all tap buttons pour 16 oz (475 ml). With EPROMs 3.0 or greater, the lights help you see if a dispenser is still in calibration mode.
- ❑ If you exit the **Manager** program with ECUs still in calibration mode the ECUs are automatically taken out of calibration mode.

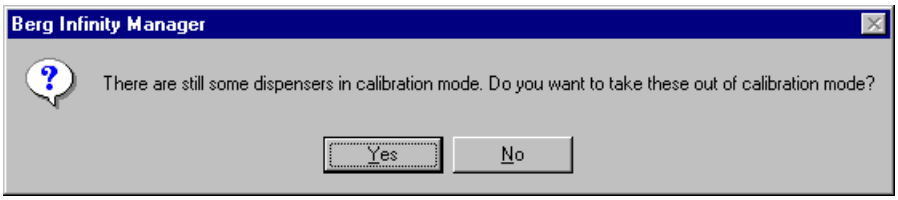
Exit Calibration Mode

Use this advanced calibration choice only if you have used the **Enter Calibration Mode...** menu item. You do not have to use this feature if you complete the calibration process outlined in *Calibrate All Dispensers*. This procedure exits calibration mode for all ECUs. (You can't select specific ECUs to exit calibration mode.) To use this calibration feature you must first expand the **Calibration** menu. See *Show Advanced Calibration Choices* in this section.

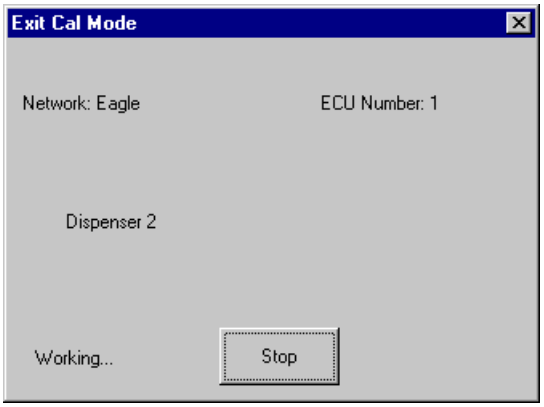


To exit calibration mode:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Calibration**. Click **Exit Calibration Mode.....** (**Show Advanced Choices** must be checked.)


Berg Infinity Manager
There are still some dispensers in calibration mode. Do you want to take these out of calibration mode?
Yes
No

3. Click **Yes** to exit calibration mode for all ECUs. Click **No** to stay in calibration mode.



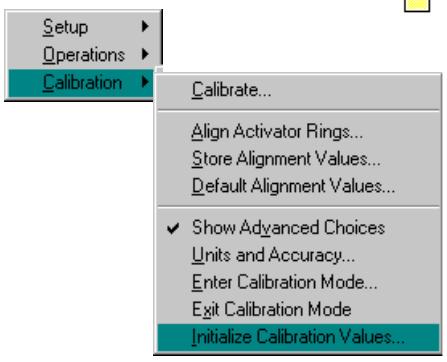
4. Wait while the ECUs are taken out of calibration mode.

Note

- If you exit the **Manager** program with ECUs still in calibration mode the ECUs are automatically taken out of calibration mode.

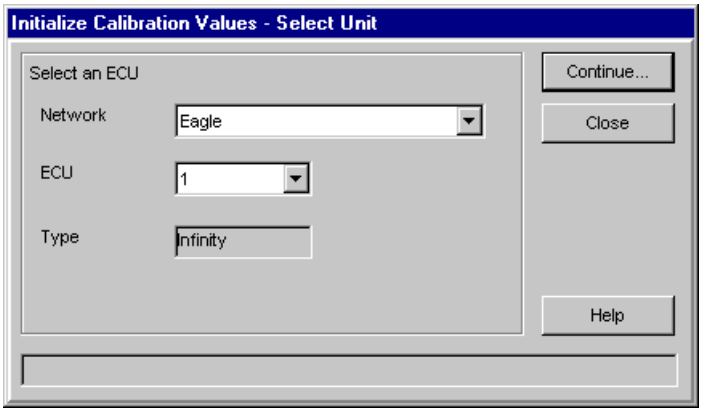
Initialize Calibration Values

Perform this task if you know the correct timing values or meter count/flow rate numbers for your dispensers. Entering the correct values speeds up the calibration process and is helpful if you are upgrading a system and already know the exact values or when something happens to your database and you need to re-enter the values. (The delay/cal values and meter count/flow rate values can be found on a price/portion report.) To use this calibration feature you must first expand the **Calibration** menu. See *Show Advanced Calibration Choices* in this section.



To initialize calibration values:

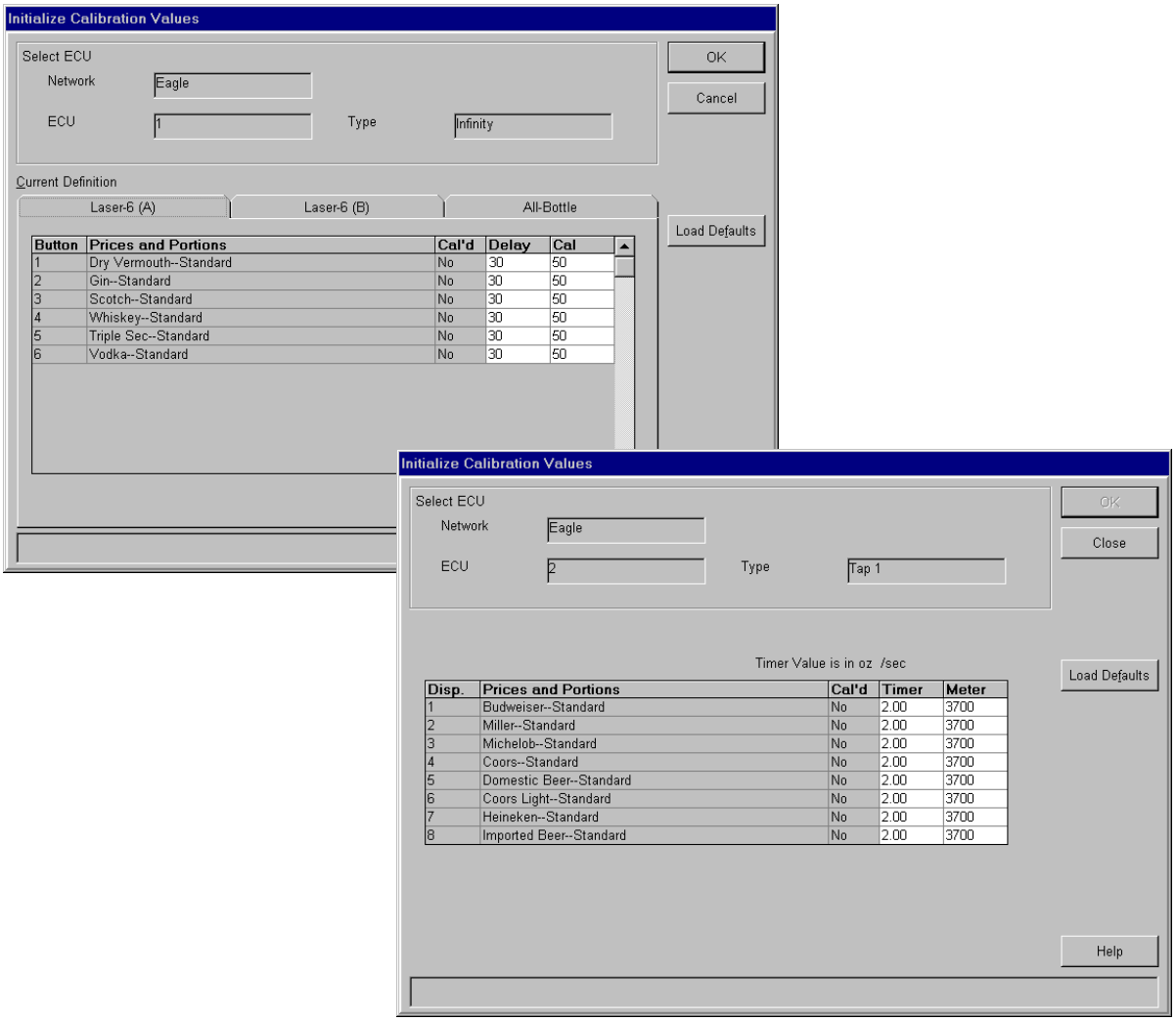
1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Calibration**. Click **Initialize Calibration Values.....** (**Show Advanced Choices** must be checked.)



3. Select the name of the **Network**.
4. Select the number of the **ECU** with delay/cal values or meter count/flow rates you want to change.
5. Click **Continue...**.
6. For an Infinity ECU type in the correct values in the **Delay** and **Cal** fields for each button number on the displayed Laser dispenser or each coded pourer on an All-Bottle dispenser.

   For a 1544 Infinity ECU type in the correct values in the **Cal** fields for each coded pourer. (The **Delay** values are fixed.)

   Delay and Cal are the timing values adjusted during calibration to regulate the duration of each pour. Delay and cal values may vary based on dispenser type, pourer type and/or assigned brand.
7. Click the tab for the next dispenser and repeat step 6.



Load Defaults

Click **Load Defaults** to see the default calibration values on all tabs. You'll be prompted to choose standard or high flow pourers if you have an All-Bottle 7 dispenser.

Switching to High Flow Pourers

If you switch from standard flow to high flow pourers, you should re-calibrate the brands using the new pourers. You can speed up the calibration process by entering the high flow **Delay** and **Cal** default values before calibration.

8. For a TAP 1 ECU type in the correct flow rate in the **Timer** field or the correct flow meter count in the **Meter** field for each tap controller.

   The default flow rate is 2 oz (59.1 ml) of beverage per second. If you want to estimate the actual flow rate of a tap controller use a stopwatch to pour for exactly 10 seconds into a 20 ounce or larger measuring cup. When the foam settles divide the number of ounces or milliliters poured by 10. This is the estimated flow rate.

   The default flow meter count is 3700. The flow meter count is the number on the flow meter you recorded and saved at the time of installation.

9. Click **OK** to save your entries and exit the **Initialize Calibration Values** screen. For an Infinity ECU **OK** saves entries for all tabs at the same time.

SECTION

13 Equipment Operations

You can control day to day operations of stations and groups using **Infinity** software. This section provides help with the following tasks:

Enable or Disable a Station or Group 13-2

Change the Price Level of a Station or Group 13-4

Set an ECU's Date/Time 13-6

Set the **Infinity** System Date/Time 13-8

Enable or Disable a Station or Group

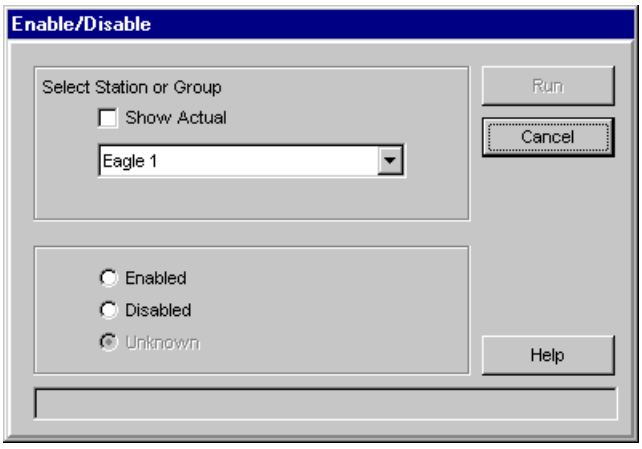
Use this feature to activate or deactivate stations or groups within an **Infinity** system. A station is the smallest component of the system for which you can perform this operation. (You can't enable or disable a single dispenser.) **Infinity** can automatically perform this task at specified times if you include it in a schedule. See the *Schedules* section.

To enable or disable a station or group:

1. Run **Manager**.

2. Pull down the **Operations** menu and click **Enable/Disable...**.

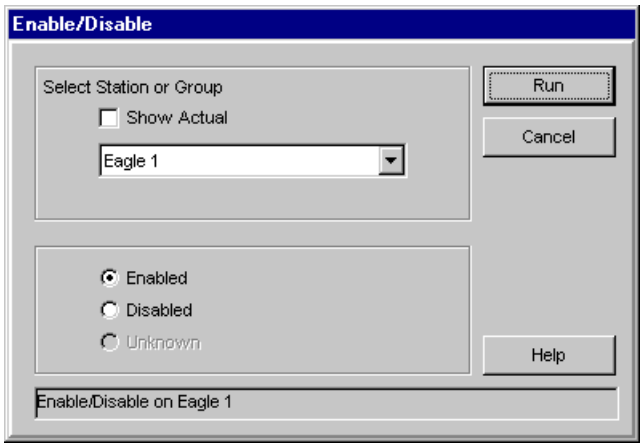
You can also access this feature using the **Equipment | Operations** menu.



3. Select the name of the **Station or Group** you want to enable or disable.
4. Select **Show Actual** if you want the software to communicate with the ECUs to determine their current status. Wait while the communication occurs.
5. Select **Enabled** to enable the station or group you have selected.

   OR

   Select **Disabled** to disable the station or group you have selected.
6. Click **Run** to send the enable or disable message to the ECUs.



Wait while the communication occurs. A message informs you when the procedure is complete.

7. Click **Cancel** to exit the **Enable/Disable** screen.

Note

- The **Unknown** field is selected if **Show Actual** is not selected. (The software has no way of knowing the current enable status of an ECU unless it communicates with the ECU.) The **Unknown** field may also be selected if some ECUs within a group you've selected are enabled and others are disabled.

Change the Price Level of a Station or Group

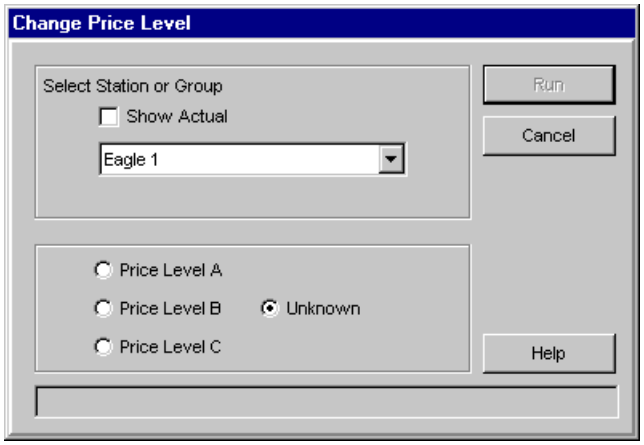
You can quickly make price level changes for a station or group using the software. This is a convenient way to change the price level for the entire system. **Infinity** can automatically perform this task at specified times if you include it in a schedule. See the *Schedules* section.

■ To change the price level of a station or group:

1. Run **Manager**.

2. Pull down the **Operations** menu and click **Change Price Level...**.

You can also access this feature using the **Equipment | Operations** menu.



3. Select the name of the **Station or Group** whose price level you want to change.
4. Select **Show Actual** if you want the software to communicate with the ECUs to determine their current status. Wait while the communication occurs.
5. Select the new price level.
6. Click **Run** to communicate the change to the ECUs.

Wait while the communication occurs. A message informs you when the change is complete.

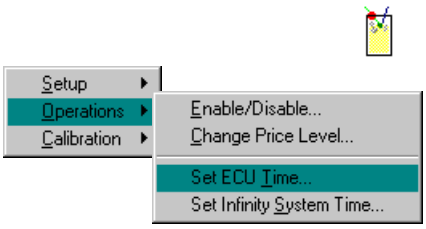
7. Click **Cancel** to exit the **Change Price Level** screen.

Note

- The **Unknown** field is selected if **Show Actual** is not selected. (The software has no way of knowing the current price level of an ECU unless it communicates with the ECU.) The **Unknown** field may also be selected if the ECUs within a group you've selected are currently using different price levels.

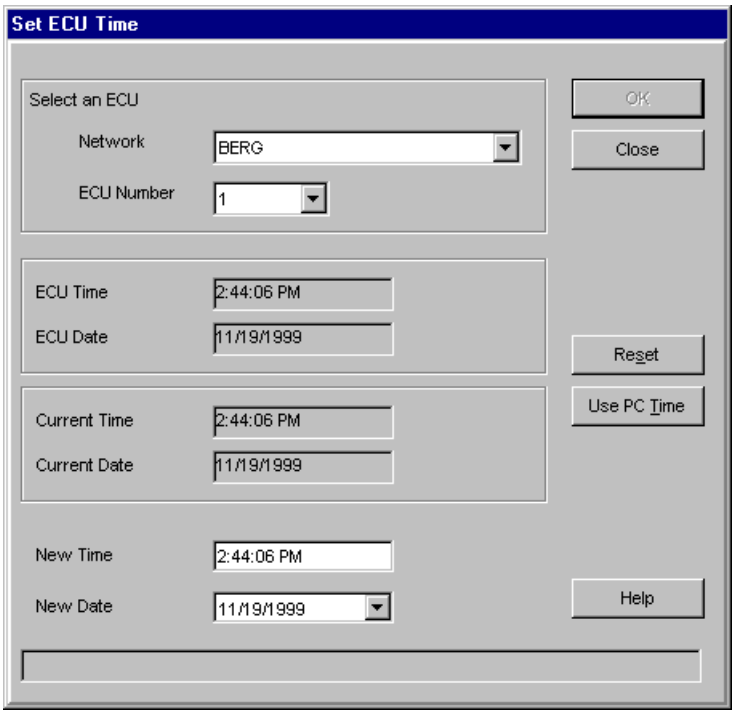
Set an ECU's Date/Time

You can adjust the time and/or date at an individual ECU using this feature. It's a good idea to keep the same time set on the computer and all the ECUs in an **Infinity** system.



■ To set an ECU's date/time:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Operations**. Click **Set ECU Time.....**



Date/Time Formats

Enter the new date and time in the format displayed for your Windows system.

3. Select the name of the **Network**.
4. Select the number of the **ECU**.
5. Type the **New Time** for the ECU.

   Type the **New Date** for the ECU.

New Date

Click the drop-down arrow to see a calendar from which to choose your date.

OR

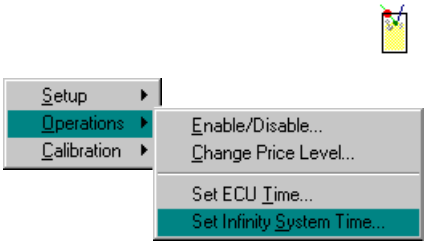
Click **Use PC Time** to set the new ECU time and date to match the computer time.

6. Click **Reset** to update the displayed times (they do not automatically advance as time passes).
7. Click **OK** to save your entries and reset the ECU time. (Click **Cancel** to exit without saving.)

   Wait while the change is communicated to the ECU.
8. Click **Close** to exit the **Set ECU Time** screen.

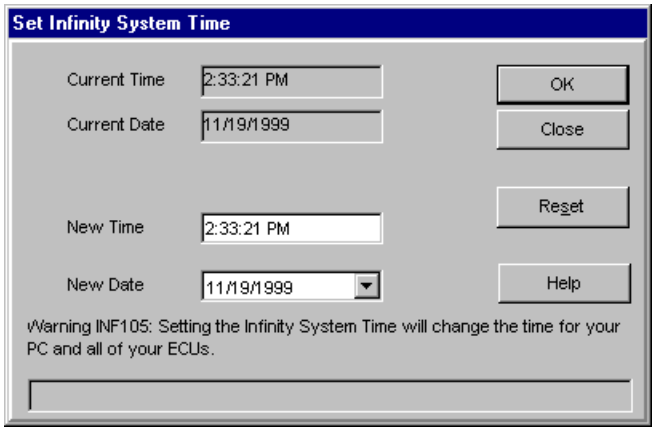
Set the Infinity System Date/Time

Perform this operation when you need to reset the time and/or date for the computer and all the ECUs in an **Infinity** system. If you only need to set the computer time and/or date use the Date/Time feature under the Windows Control Panel. If you only need to set an ECU's time see **Set ECU Time** in this section.



To set the Infinity system date/time:

1. Run **Manager**.
2. Pull down the **Equipment** menu and point to **Operations**. Click **Set Infinity System Time.....**



3. Type the **New Time** for the computer and ECUs.

   Type the **New Date** for the computer and ECUs.
4. Click **Reset** to update the displayed times (they do not automatically advance as time passes).
5. Click **OK** to save your entries and reset the entire system time. (Click **Cancel** to exit without saving.)

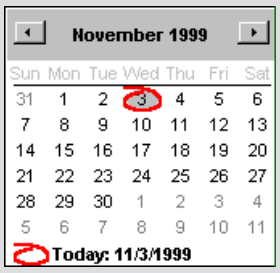
   Wait while the change is communicated to all the ECUs.
6. Click **Close** to exit the **Set Infinity System Time** screen.

Date/Time Formats

Enter the new date and time in the format displayed for your Windows system.

New Date

Click the drop-down arrow to see a calendar from which to choose your date.



SECTION

14 Inventory

Infinity's Inventory feature uses volume data generated by the ECUs to keep track of stock amounts and help determine which products should be ordered. It allows you to print orders for each supplier and provides a place to enter delivery amounts, thus helping you keep a reliable account of your **Infinity** inventory. This section provides help with the following tasks:

Inventory Overview 14-2
Inventory Setup Checklist 14-4
Supplier Setup 14-6
Stock Room Setup 14-8
Brand List Setup 14-10
Inventory Options 14-13
Initial Stock 14-14
Inventory Check 14-15
Orders 14-19
Deliveries 14-21
Reports 14-23

Inventory Overview

What is Inventory?

Inventory is **Infinity's** stock-tracking feature that helps you streamline and automate your inventory and ordering tasks. Each time you Archive and Clear Sales, the drink volume recorded by the ECUs is available at the computer for running an Inventory Check. Inventory Check uses the volume data that's been archived to calculate the reduction in inventory that has occurred. You enter the actual stock on hand, so you can review the amount of any product loss for each brand. Because you can set an "order point" or "par stock" amount for each brand, generating orders is easy. You then print the order from **Infinity's** Report program. When the order is delivered, simply verify the delivery amounts and **Infinity** adjusts your electronic inventory accordingly.

Which brands does Inventory track?

Inventory tracks any brand in your **Infinity** brand list that has a supplier. However, Berg recommends not assigning a supplier to brands assigned to All-Bottle-7 and All-Bottle-15 codes unless a single brand is assigned to a single code, e.g., "Irish Cream". (Since multiple brands are typically dispensed under each All-Bottle code, e.g., "Well" or "Call", Inventory is generally not useful for these dispensers.) Any product not dispensed by Berg equipment can't be included since only the volume data generated at an ECU is used to track product.

Initial Setup

An Inventory menu appears in both **Manager** and **Report** once you enable the feature in Configuration Options. Several Inventory setup tasks should be performed after other **Infinity** setup tasks (including calibration) are completed. See *Inventory Setup Checklist* in this section for a complete setup guideline.

Physical Inventory

You'll still need to take a physical inventory of your stock at regular intervals if you want to have the most accurate picture of overall product cost and loss. **Infinity** provides a place to enter the numbers from your physical inventory so the stock amounts will be accurate in the software. See *Inventory Check* in this section for help with entering these numbers.

Product Loss

Whenever you enter physical inventory amounts, **Infinity** can compare those amounts with the amounts from the ECUs' volume data and determine the difference (or product lost). You can run a Cost Analysis report showing the volume of lost product and the retail value of that loss for each brand. See *Reports* in this section or *Cost Analysis Report* in the *Sample Reports* section.

Generating Orders

To generate an order using the Inventory feature, you must first run an Archive and Clear Sales report and then an Inventory Check. This gives **Infinity** a chance to calculate how much your stock has been reduced. You can then adjust **Infinity's** stock amounts using numbers from your own physical inventory. Finally, Inventory helps you select which brands need ordering and you can save and print the order. See *Inventory Check* and *Orders* in this section.

Deliveries

It's important to record all the items received so Inventory can keep an accurate count of your stock. Inventory displays the amount you ordered and you can either accept that number, enter a different number or mark items as back ordered. See *Deliveries* in this section.

Reports

Inventory includes three reports: Container Stock, Cost Analysis and Brand Information. These reports can be run using the Advanced Reporting menu or the Inventory menu. See *Reports* in this section.

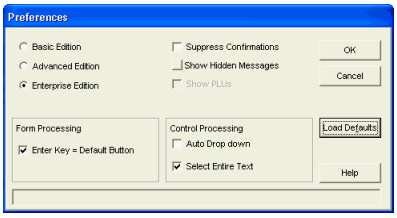
Schedule

You can run Inventory Check using an **Infinity** schedule once the Inventory feature is enabled. (It will be performed on the Master Group.) Typically, an Archive and Clear Sales report should precede the Inventory Check in the schedule. (You can't adjust inventory amounts, order points/par stock, order quantity or order cost while the schedule is running, so set them up correctly before the schedule runs.) Any brands Inventory determines should be ordered (based on order point/par stock) are automatically included in the order. See the *Schedules* section for help creating a schedule.

Inventory Setup Checklist

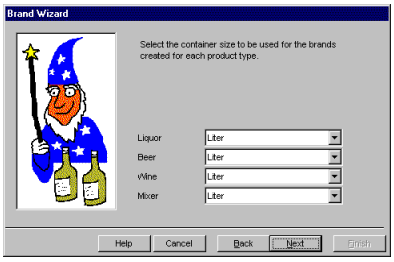
Follow this sequence of steps to set up **Infinity's** inventory tracking feature.

■ To set up Inventory:

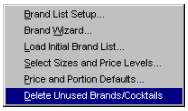


1. Enable the **Advanced** or **Enterprise** edition when you install the software or by accessing **Preferences**.

2. If you use the Brand Wizard, select a **Container** for each product type.

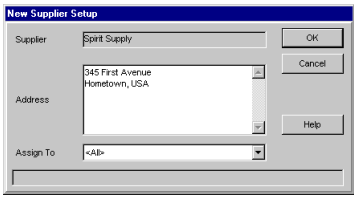


3. Perform all other **Infinity** setup tasks (ECUs, brand and cocktail assignments, etc.) Calibrate all dispensers. See the *Network and ECU Setup, Brands, Cocktails, Prices and Portions* and *Calibration* sections in this manual.

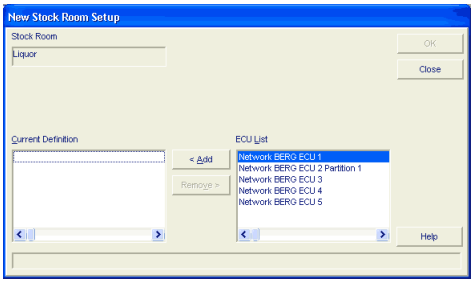


4. Delete unused brands and cocktails from your brand list. See *Delete Unused Brands and Cocktails* in the *Brands, Cocktails, Prices and Portions* section.

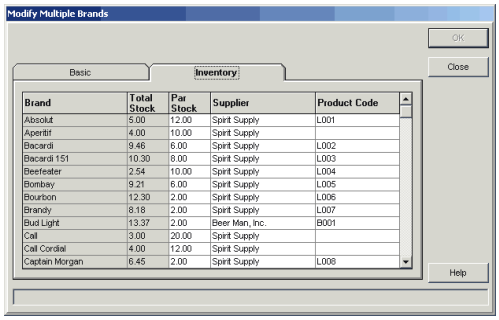
5. Set up your suppliers. See *Supplier Setup* in this section.



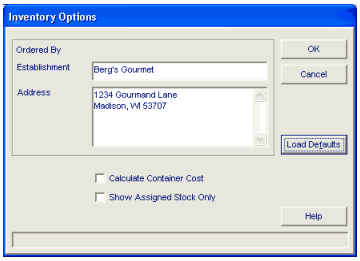
6. Set up your stock rooms. See *Stock Room Setup* in this section.

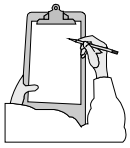


7. Set up ordering information for each brand. See *Brand List Setup* in this section.

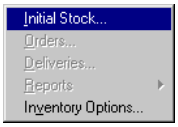


8. Enter Inventory options. See *Inventory Options* in this section.

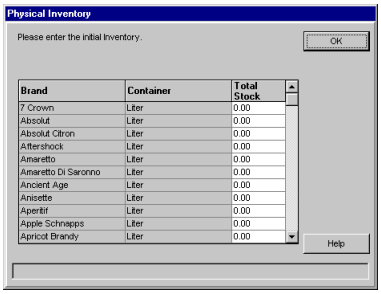




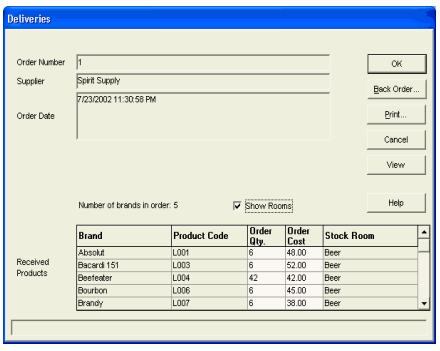
9. Perform a physical inventory and record the number of containers on hand for each brand.



10. Run Initial Stock. It will prompt you to Archive and Clear Sales so any recorded pours can be cleared before you enter stock amounts. Then it will prompt you to enter initial stock amounts (from your physical inventory) for each brand. See *Initial Stock* in this section.



11. Inventory is now set up and ready to use. At regular ordering intervals, perform an Inventory Check to assess stock amounts and adjust as needed before generating orders. Promptly enter all deliveries received.

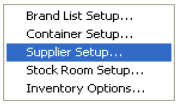


Supplier Setup

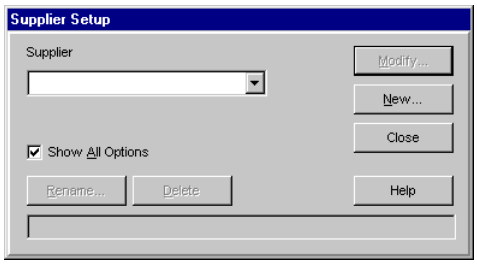
Supplier setup information includes the supplier's name and address. When you create a new supplier, you can assign it to a product type or to all brands. Each brand can only have one supplier. Any brands in your list without a supplier are not included in Inventory.

■ To set up a new supplier:

1. Run **Manager**.

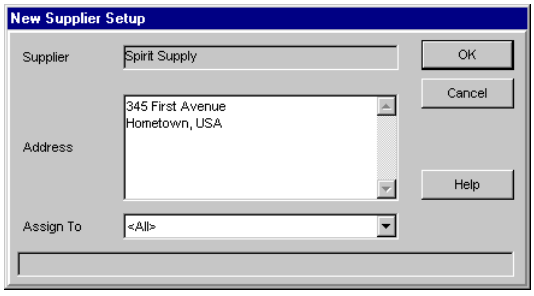


2. Pull down the **Inventory** menu and click **Supplier Setup.....**



3. Click **New...**.

4. Type the **New Name** of the supplier and click **Continue...**.



5. Type the **Address** of the supplier (as you want it to appear on printed orders).

6. If you want to assign this supplier to a product type, select the product type in the **Assign To** field. All brands in the product type receive the supplier assignment (even if they already have a supplier assignment). Select **<All>** to assign this supplier to all brands.

7. Click **OK**.

Brand List Setup

- Use **Brand List Setup** to assign any supplier to any brand.

To modify an existing supplier's address:

1. Select a **Supplier** to modify.
2. Click **Modify...**.

3. Type the **Address**.
4. Click **OK**.

To rename or delete a supplier:

1. Select **Show All Options**.
2. Click **Rename...**.
3. Type in the **New Name** of the supplier and click **OK**.

OR

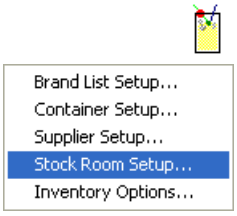
2. Click **Delete**.

3. Click **Yes**.

   If you delete a supplier already assigned to a brand a prompt reminds you. Click **Yes** to delete the supplier or **No** to keep it. If you proceed with the deletion, any brands with the supplier assignment will automatically be assigned the first remaining supplier in the supplier selection list.

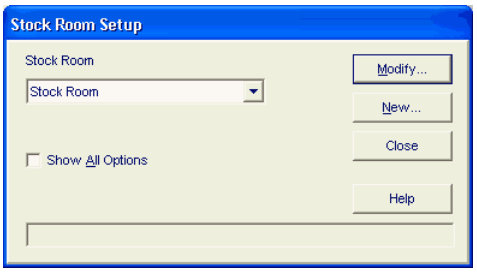
Stock Room Setup

A stock room is the location where an ECU's brand containers are stored. Each ECU must be assigned to one and only one stock room. You should set up a stock room for each location where brands are delivered. The stock room name can then be listed on orders to expedite deliveries.

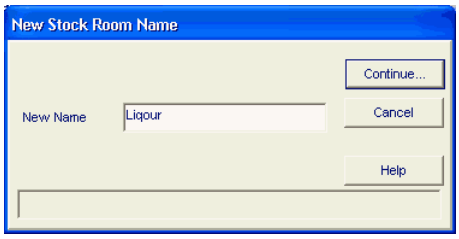


■ To set up a stock room:

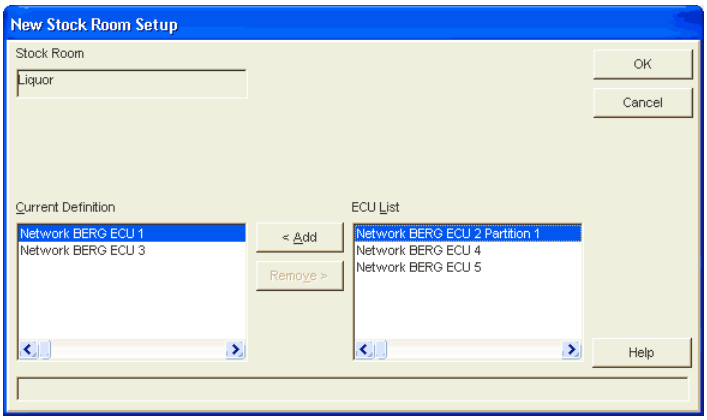
1. Run **Manager**.
2. Pull down the **Inventory** menu and click **Stock Room Setup.....**



3. Click **New....**



4. Type the **New Name** of the stock room and click **Continue....**



5. Select an ECU in the **ECU List** and click **<Add** to move the entry into the **Current Definition** list (or drag and drop the selected entry to the **Current Definition** list).

   Repeat this step for each ECU stocked from this room.

ECU Setup

You can also assign a specific ECU to a stock room on the ECU Setup screen. See *New ECU Setup* in the *Network and ECU Setup* section.

6. To remove an ECU from the stock room, select it and click **Remove>** (or drag and drop the selected ECU to the **ECU List**).

   You'll be prompted to select another stock room for the ECU. Select it and click **OK**.

7. Click **OK** to save your choices and exit.

8. Repeat steps 3-7 for each stock room.

9. Click **Close** to exit the **Stock Room Setup** screen.

■ To modify an existing stock room:

1. Select a **Stock Room** to modify.

2. Click **Modify...**.

3. Follow steps 5 and 6 for setting up a stock room.

4. Click **OK**.

■ To rename or delete a stock room:

1. Select **Show All Options**.

2. Click **Rename...**.

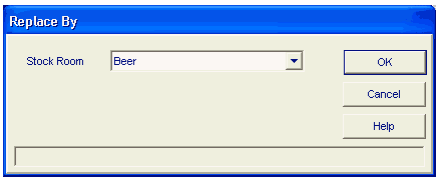
3. Type in the **New Name** of the stock room and click **OK**.

   OR

2. Click **Delete**.

   If you're deleting a stock room with ECU assignments, you'll be prompted to transfer those assignments to a different stock room.

3. Select the **Stock Room** to receive the current **ECU List** and click **OK**.



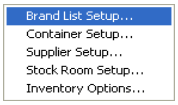
   To assign ECUs in the list to different stock rooms, click **Cancel**. Click **Modify...**, then remove each ECU from the current list. (You'll be prompted to assign each to another stock room.) Then proceed with deleting the unwanted stock room.

4. Click **Yes** to confirm the deletion.

5. Click **Close** to exit the **Stock Room Setup** screen.

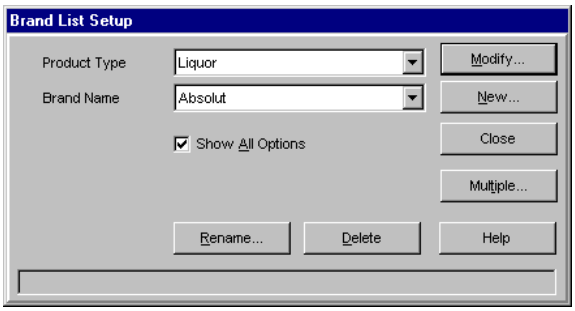
Brand List Setup

You need to specify how you want each brand tracked using Inventory. You do this in the same way you set up your initial brand list; you just need to specify the Inventory details.

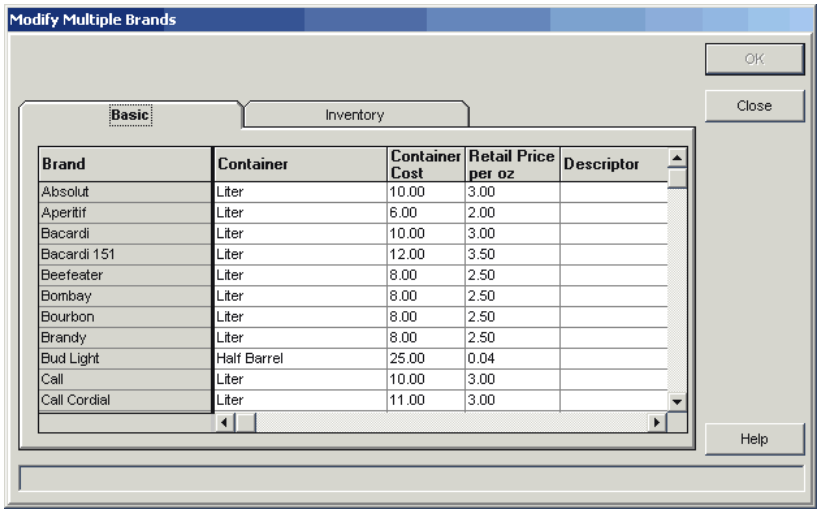


■ To use Brand List Setup for Inventory:

1. Run **Manager**.
2. Pull down the **Inventory** menu and click **Brand List Setup...**.



3. Click **Show All Options**. Click **Multiple...**.



Brand	Container	Container Cost	Retail Price per oz	Descriptor
Absolut	Liter	10.00	3.00	
Aperitif	Liter	6.00	2.00	
Bacardi	Liter	10.00	3.00	
Bacardi 151	Liter	12.00	3.50	
Beefeater	Liter	8.00	2.50	
Bombay	Liter	8.00	2.50	
Bourbon	Liter	8.00	2.50	
Brandy	Liter	8.00	2.50	
Bud Light	Half Barrel	25.00	0.04	
Call	Liter	10.00	3.00	
Call Cordial	Liter	11.00	3.00	

4. On the **Basic** tab, select a **Container**, type the **Container Cost**, the **Retail Price** and a **Descriptor** (optional).

   Container is the name of the container the brand comes in.

   Container Cost is the cost (to you) of each container of the brand. It's used on both Inventory and Usage reports.

   Retail Price is the retail price the customer pays for each unit of measure of the brand. It's used to calculate stock value on the Container Stock report and to calculate retail

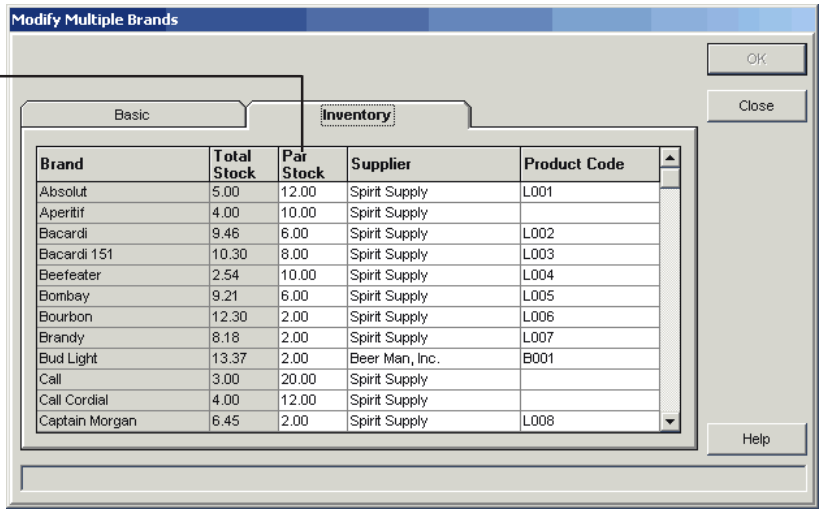
Container Setup

To define a new container or modify a container's size, see *Container Setup* in the *Brands, Cocktails, Prices and Portions* section.

value on the Cost Analysis report, the Retail Usage report and the Reconciliation report.

Descriptor is an optional identifying entry for each brand. A descriptor's primary use is in sorting brands on a Column Selection report. For example, if you assign "Vodka" to all vodka brands and "Rum" to all rum brands, the brand list can be sorted by these types on a Column Selection report.

You'll see either a **Par Stock** or **Order Point** column depending on your selection on the **Inventory Options** screen. See *Inventory Options* in this section.



Brand	Total Stock	Par Stock	Supplier	Product Code
Absolut	5.00	12.00	Spirit Supply	L001
Aperitif	4.00	10.00	Spirit Supply	
Bacardi	9.46	6.00	Spirit Supply	L002
Bacardi 151	10.30	8.00	Spirit Supply	L003
Beefeater	2.54	10.00	Spirit Supply	L004
Bombay	9.21	6.00	Spirit Supply	L005
Bourbon	12.30	2.00	Spirit Supply	L006
Brandy	8.18	2.00	Spirit Supply	L007
Bud Light	13.37	2.00	Beer Man, Inc.	B001
Call	3.00	20.00	Spirit Supply	
Call Cordial	4.00	12.00	Spirit Supply	
Captain Morgan	6.45	2.00	Spirit Supply	L008

Stock Amounts

- **Total Stock**, **Par Stock** and **Order Point** amounts include containers at the bar and in the stock room.
- If you've set up more than one stock room, enter **Par Stock** or **Order Point** on the **Stock Room** tab.
- You can enter a partial container amount (up to two decimal points).

Supplier Assignment

You must assign a supplier to every brand you want to include in Inventory.

5. On the **Inventory** tab, type the **Par Stock** or **Order Point** amount, select a **Supplier** (if necessary) and type a **Product Code** (optional).

   Par Stock is the ideal number of containers of the brand you want in your total stock. When the number of containers falls below par stock, Inventory calculates how many containers should be ordered to reach the par stock amount.

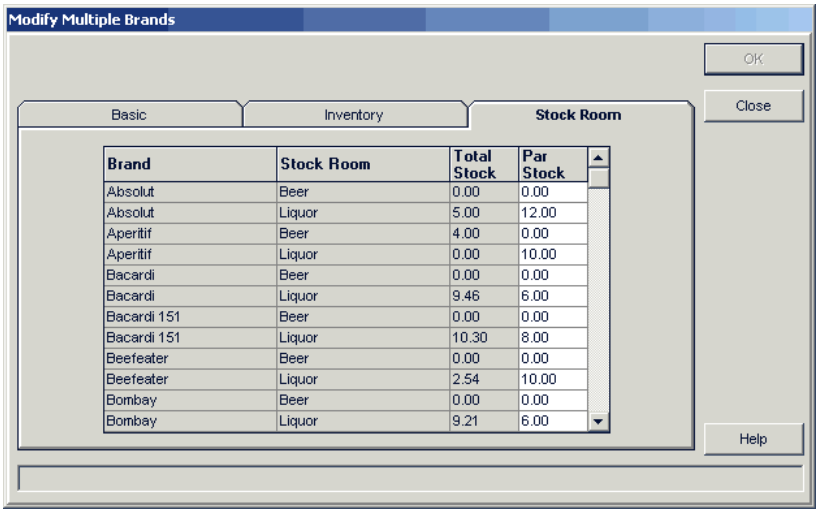
   Order Point is the minimum number of containers of the brand you want on hand before you re-order. When the number of containers falls below the order point, Inventory flags the brand to let you know it’s time to re-order.

   Supplier is the name of the supplier of the brand. Select **<None>** as the supplier for brands not included in Inventory (e.g., All-Bottle-7 and All-Bottle-15 brands).

   Product Code is an identifying entry up to 19 characters. Typically, this is a code required by a supplier when ordering a brand. It appears on orders generated by Inventory.

   (**Total Stock** is entered when you set up a new brand or in Inventory Check.)

(continued on next page)



6. On the **Stock Room** tab (if necessary), type the **Par Stock** or **Order Point** amount.

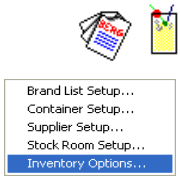
   Each brand is listed for every stock room. Enter **Par Stock** or **Order Point** amounts for the appropriate stock room(s) for each brand.

7. Click **OK** to save your entries on all tabs. Click **Cancel** to exit the screen without saving.

8. Click **Close** to exit the **Brand List Setup** screen.

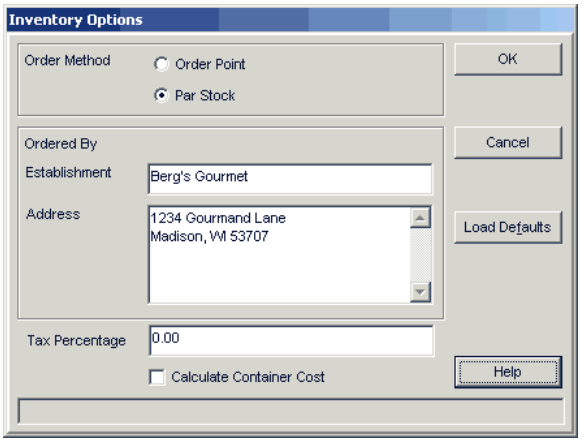
Inventory Options

You can set Inventory Options from either **Manager** or **Report**.



To enter Inventory Options:

1. Run **Manager** or **Report**.
2. Pull down the **Inventory** menu and click **Inventory Options...**.



3. Select an **Order Method**. See the *Order Method* sidebar.
4. Type your **Establishment** name and **Address** (to be printed on orders).
5. Type the **Tax Percentage** you want added to the total cost of every order.

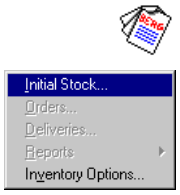
   You'll see this percentage added when you print orders. If you enter zero, tax is not shown on the printed order.
6. Check **Calculate Container Cost** if you want Inventory to recalculate the container cost for each brand in an order based on its order cost. (If your order cost changes frequently, you may not want to select this option, but keep the container cost entered in Brand List Setup.)
7. Click **OK** to save your entries and exit. Click **Cancel** to exit the screen without saving.

Order Method

- **Par Stock** means you specify the number of containers to keep in your total stock for each brand. When the number of containers falls below that amount, Inventory will include the brand on an order and calculate how many containers must be ordered to reach your par stock amount for the brand.
- **Order Point** is the minimum number of containers of the brand you want on hand before you re-order. When the number of containers falls below the order point, Inventory flags the brand to let you know it's time to re-order.
- These can be partial container amounts (up to two decimal points).

Initial Stock

You must enter the initial number of containers on hand for each brand as part of Inventory setup. Your stock amounts should include all containers, both behind the bar and in the storeroom.

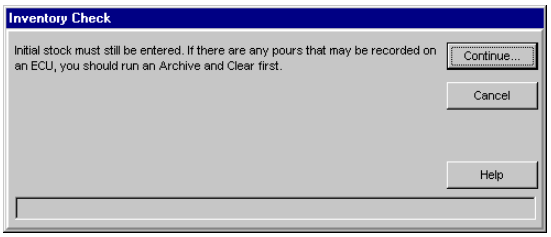


Inventory Menu

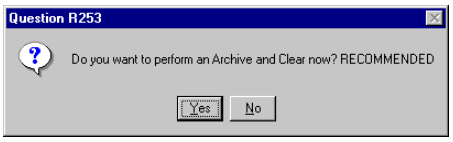
Once you run **Initial Stock**, the menu item changes to **Inventory Check**.

To enter initial stock:

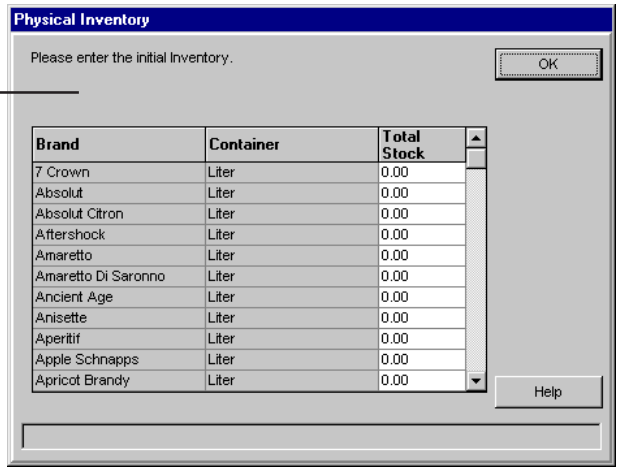
1. Run **Report**.
2. Pull down the **Inventory** menu and click **Initial Stock.....**
3. Click **Continue...** after reading the note about clearing sales.


Inventory Check
Initial stock must still be entered. If there are any pours that may be recorded on an ECU, you should run an Archive and Clear first.
Continue...
Cancel
Help

4. Click **Yes** to Archive and Clear Sales if you've poured any drinks since your last Archive and Clear Sales. Wait for the report to run. View, save and/or print the report and click **Close** to exit the **View** screen.



A separate **Physical Inventory** screen appears for each stock room you've set up.



Brand	Container	Total Stock
7 Crown	Liter	0.00
Absolut	Liter	0.00
Absolut Citron	Liter	0.00
Aftershock	Liter	0.00
Amaretto	Liter	0.00
Amaretto Di Saronno	Liter	0.00
Ancient Age	Liter	0.00
Anisette	Liter	0.00
Aperitif	Liter	0.00
Apple Schnapps	Liter	0.00
Apricot Brandy	Liter	0.00

Supplier Assignment

Brands without an assigned supplier will not appear in this inventory list.

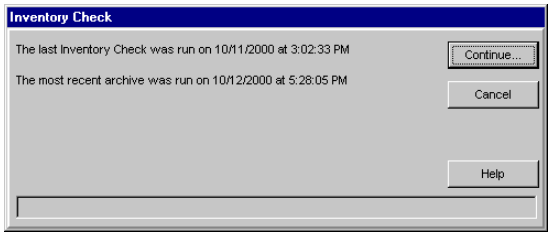
5. Type your current stock amounts for each brand in the **Total Stock** column. This includes containers behind the bar and in the store room. Partial container amounts can be entered up to two decimal places.
6. Click **OK**. If you leave any stock amounts at zero, a prompt reminds you.

Inventory Check

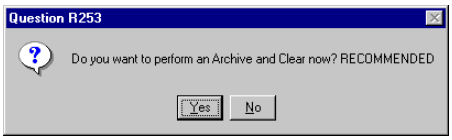
Inventory Check uses only volume data that's been archived at the computer to adjust inventory. It also provides a chance to enter stock amounts from your physical inventory before generating orders. To calculate volume lost, you must take a physical inventory. However, you can run inventory check without doing a physical inventory to review stock amounts and generate orders.

To run Inventory Check:

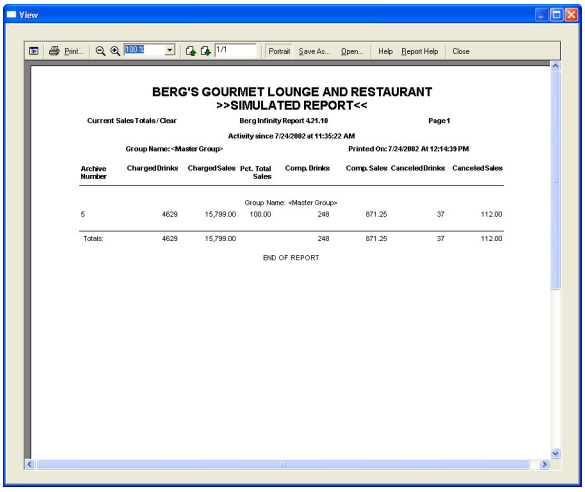
1. Run **Report**.
2. Pull down the **Inventory** menu and click **Inventory Check.....**


Inventory Check
The last Inventory Check was run on 10/11/2000 at 3:02:33 PM
The most recent archive was run on 10/12/2000 at 5:28:05 PM
Continue...
Cancel
Help

3. Click **Continue...** after reviewing the dates of the most recent archive and inventory check.



4. Click **Yes** to Archive and Clear Sales if you've poured any drinks since your last Archive and Clear Sales. Wait for the report to run.



View, save and/or print the report and click **Close** to exit the **View** screen.

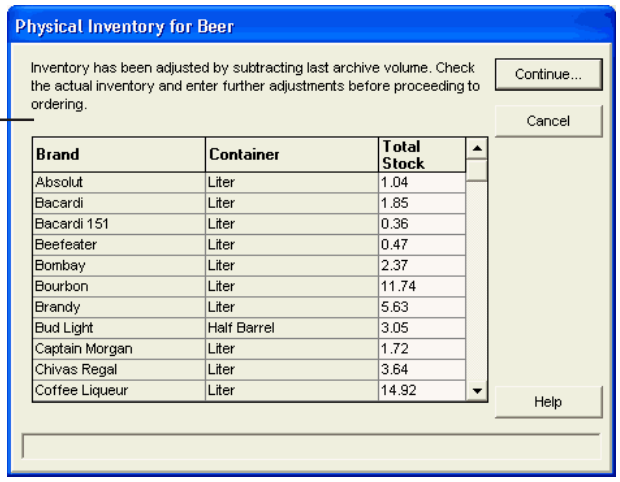
Archive and Clear Sales (Z)

- **Infinity** uses volume data from the Archive and Clear Sales report to calculate the reduction in stock amounts for each brand.
- If you haven't cleared sales since your last Inventory Check, you are prompted to do so before proceeding.
- If you've cleared sales more than once since your last Inventory Check, **Infinity** uses combined volume data from all of those Archive and Clear Sales reports to determine stock reduction.

Calibration Pours

- Calibration pours aren't included in the volume amount in the Archive and Clear Sales report. If you've made any calibration pours since your last Archive and Clear Sales, adjust your physical inventory amounts to account for the calibration pours.

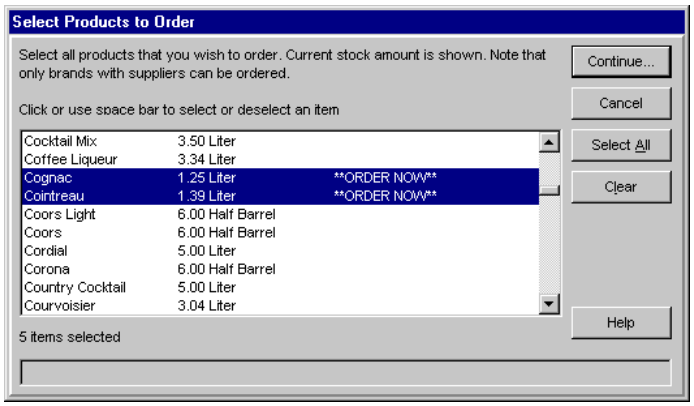
A separate **Physical Inventory** screen appears for each stock room you've set up.



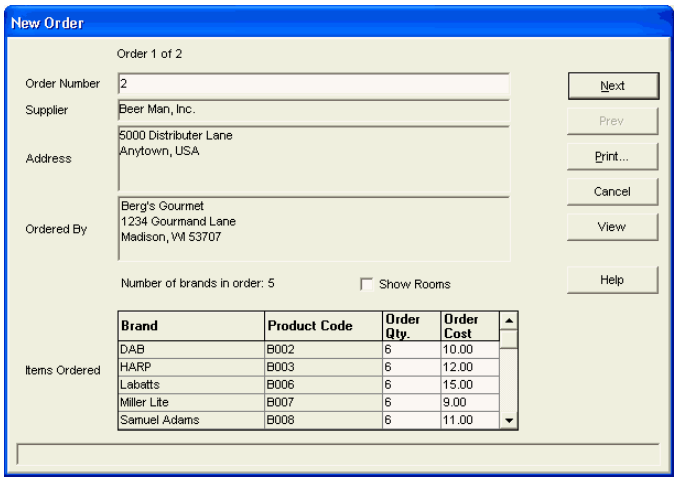
5. If you've performed a physical inventory, type any adjusted stock amounts in the **Total Stock** column. This includes containers behind the bar and in the store room. Partial container amounts can be entered up to two decimal places.

6. Click **Continue...**. If you leave any stock amounts at zero, a prompt reminds you.

   If you've set up more than one stock room, a **Physical Inventory** screen appears for each one. Enter adjusted stock amounts for each room.


Select Products to Order
Select all products that you wish to order. Current stock amount is shown. Note that only brands with suppliers can be ordered.
Click or use space bar to select or deselect an item
Continue...
Cancel
Select All
Clear
Help
Cocktail Mix 3.50 Liter
Coffee Liqueur 3.34 Liter
Cognac 1.25 Liter **ORDER NOW**
Cointreau 1.39 Liter **ORDER NOW**
Coors Light 6.00 Half Barrel
Coors 6.00 Half Barrel
Cordial 5.00 Liter
Corona 6.00 Half Barrel
Country Cocktail 5.00 Liter
Courvoisier 3.04 Liter
5 items selected

7. Add or remove brands from the order by clicking or using the space bar. Brands with a total stock number below the par stock/order point are already highlighted and include the tag "ORDER NOW". Click **Continue...**.

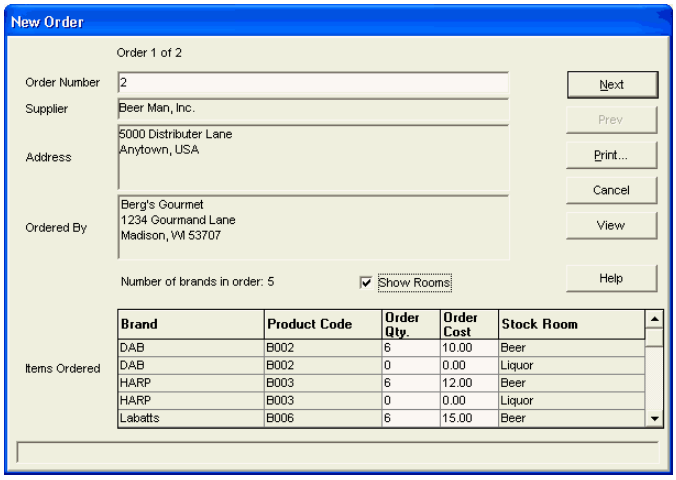


8. Type a new **Order Number** if desired. Successive order numbers are automatically generated.

9. Type the **Order Quantity** for each brand. Once you enter a quantity for a brand, it's remembered for future orders (see *Par Stock* sidebar).

   OR

   Check **Show Rooms** to enter a quantity by stock room.



10. Type the **Order Cost** for each brand. Once you enter a cost, it appears on every order until you change it.

11. Click **Print** to print a copy of the order.

12. Click **OK** to save the order and exit.

    OR

    If you're ordering brands from more than one supplier, click **Next** and repeat steps 8-12 for each order.

(continued on next page)

Par Stock

- If you're using **Par Stock** amounts rather than **Order Point**, the **Order Quantity** is already calculated. (You can still change the quantity if necessary.)
- **Order Quantity** is not remembered for future orders if you're using **Par Stock** (since Inventory calculates the **Order Quantity** for you).

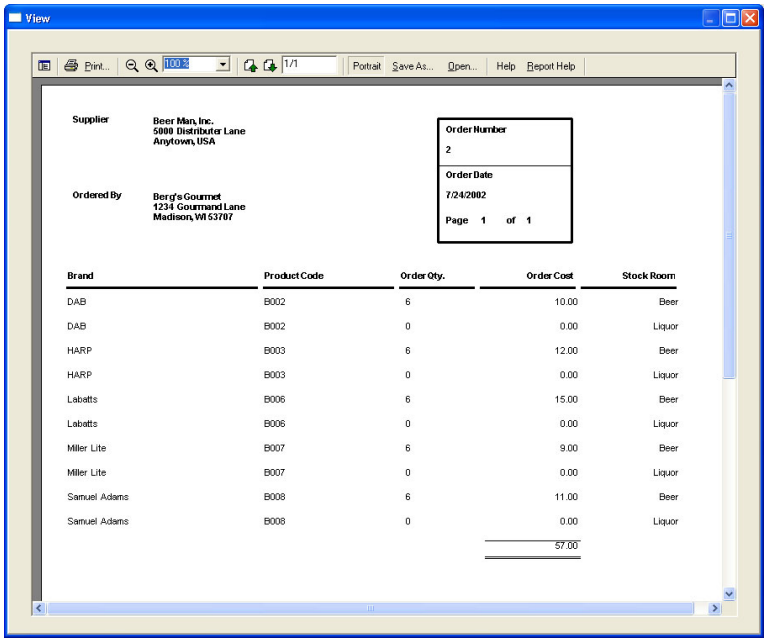
Order Cost

- If you checked Calculate Container Cost on the Inventory Options screen, any order cost you enter here will be divided by the order quantity to determine a new container cost for the brand.
- If you didn't check Calculate Container Cost, the order cost has no effect on the container cost.

Show Rooms

You can uncheck **Show Rooms** when you print the order for the supplier.

Check **Show Rooms** to print the order for receiving.



Orders

You can modify or delete any existing orders. When you create a new order, Inventory Check prompts you to run an Archive and Clear Sales report and then adjusts all stock amounts using volume data from the report.

Deliveries...

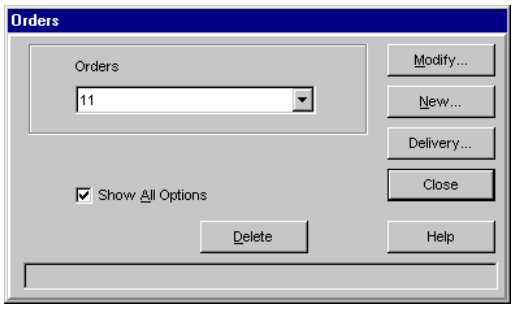
Click the **Deliveries...** shortcut button to enter quantities delivered. Follow the steps outlined in *Deliveries* in this section.

Remove Items

Type in an **Order Quantity** of zero to remove any item from the order.

■ To create a new order:

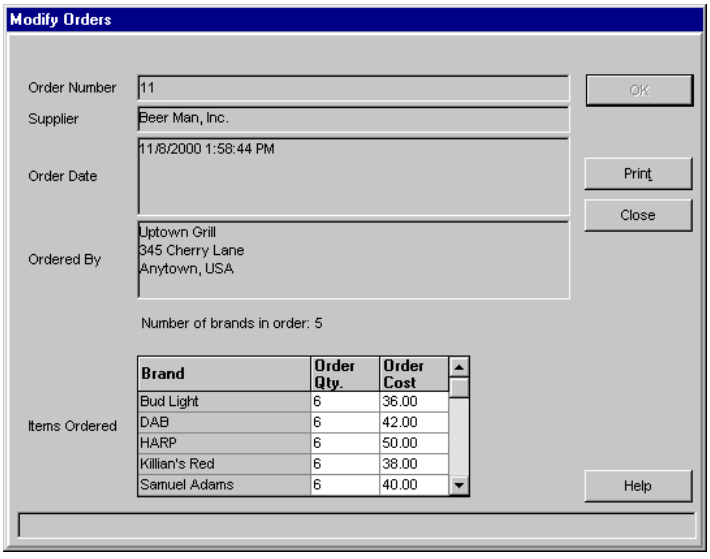
1. Run **Report**.
2. Pull down the **Inventory** menu and click **Orders...**.



3. Click **New...**.
4. Follow steps 3-14 of *Inventory Check* in this section.

■ To modify an existing order:

1. Select an **Order** number to modify.
2. Click **Modify...**.



3. Type a new **Order Quantity** or **Order Cost** for the desired brand(s).

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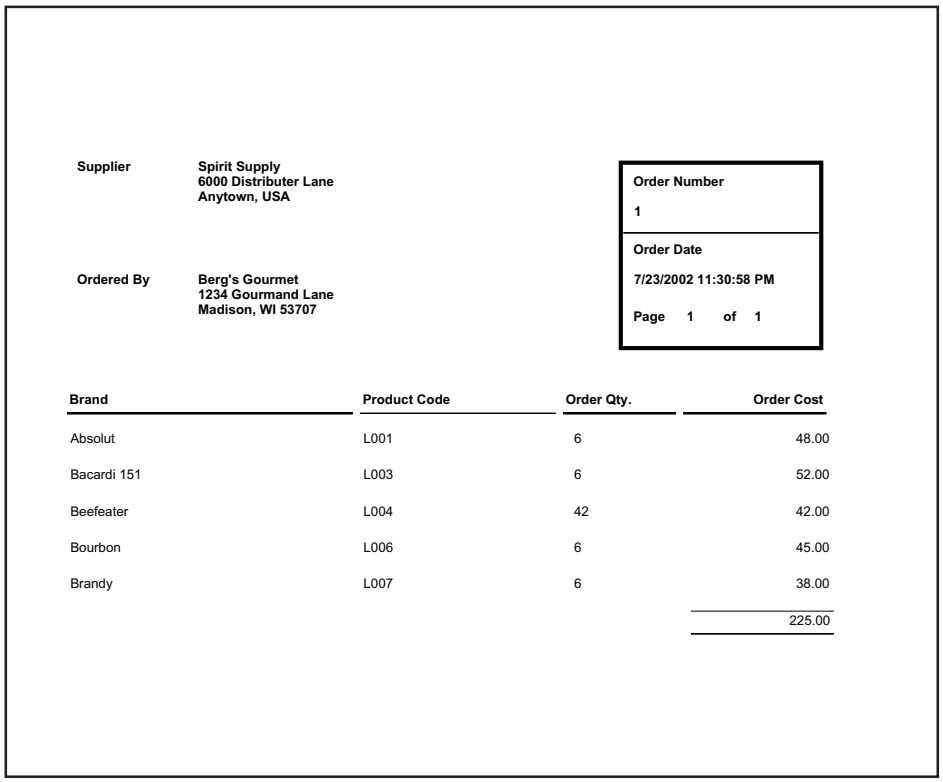
4. Click **Print** to print a copy of the order.
5. Click **OK** to save any changes and exit. Click **Close** to exit if you haven't made changes.



Supplier Spirit Supply
6000 Distributer Lane
Anytown, USA

Ordered By Berg's Gourmet
1234 Gourmand Lane
Madison, WI 53707

Order Number 1

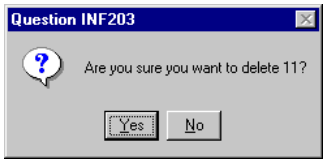
Order Date 7/23/2002 11:30:58 PM

Page 1 **of** 1

Brand	Product Code	Order Qty.	Order Cost
Absolut	L001	6	48.00
Bacardi 151	L003	6	52.00
Beefeater	L004	42	42.00
Bourbon	L006	6	45.00
Brandy	L007	6	38.00
			225.00

■ To delete an order:

1. Select **Show All Options**.
2. Click **Delete**.



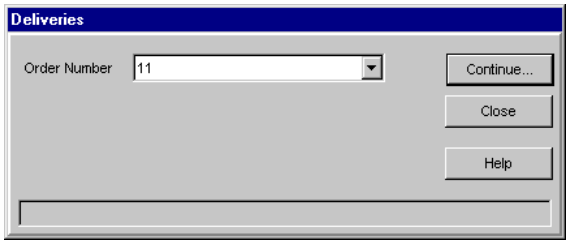
3. Click **Yes**.
4. Click **Close** to exit the **Orders** screen.

Deliveries

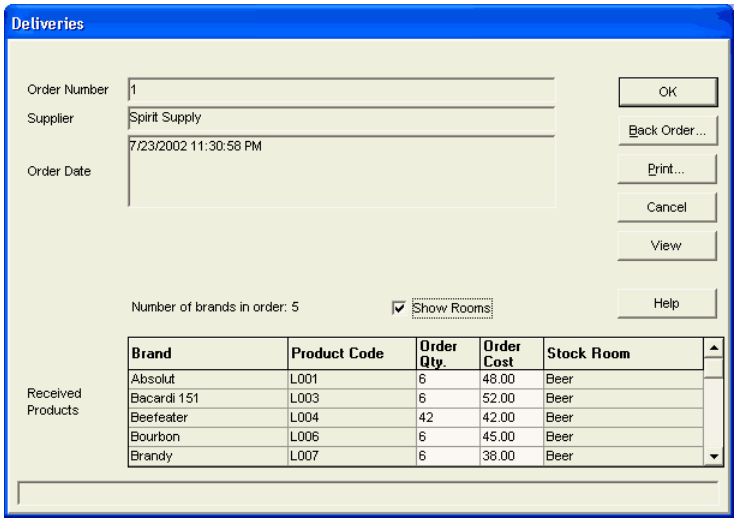
Whenever stock is added to your inventory, you should enter the container quantities using the Deliveries menu option.

To enter deliveries:

1. Run **Report**.
2. Pull down the **Inventory** menu and click **Deliveries...**.



3. Select the **Order Number** of the delivery and click **Continue...**.



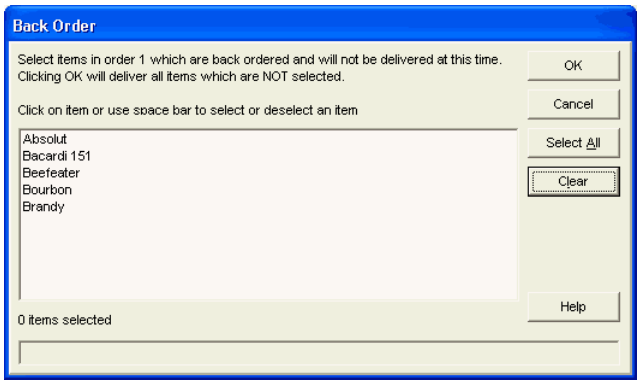
4. Type in a new **Order Quantity** if the delivery quantity differs from the order.
5. Type in a new **Order Cost** if the invoice reflects a different cost.
6. Click **OK** to accept the delivery with the amounts shown. This adds the received containers to the total stock and removes the order from the system.

   OR

   If any brands in the order did not arrive, click **Back Order...**.

(continued on next page)

To completely cancel an order for a brand not delivered, enter zero for its order quantity.



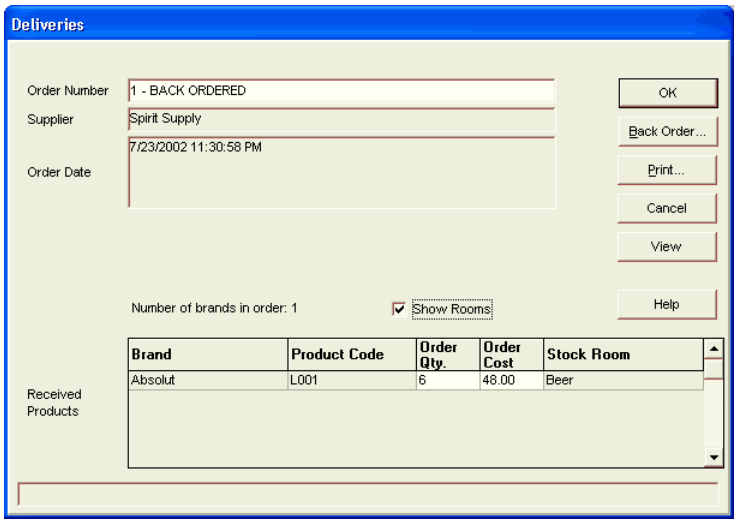
7. Click or use the space bar to select the back ordered brands from a list and click **OK**.

   This adds the received containers to the total stock and the brands you've selected remain on the order to be delivered at a later date.

8. Click **Close** to exit the **Deliveries** screen.

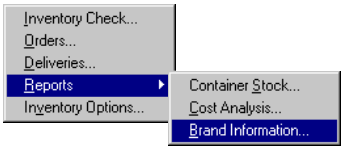
Note

- When any back ordered brands arrive, use the original order number to enter the delivery amounts.



Reports

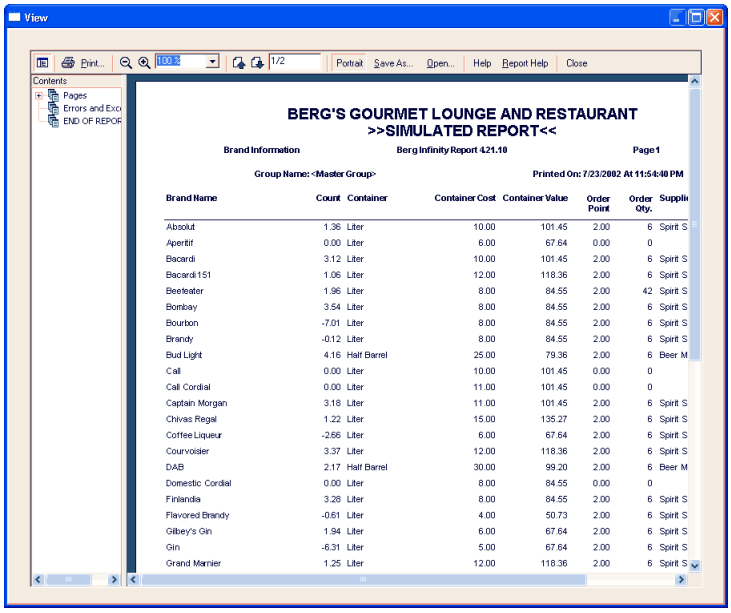
All Inventory reports can be run from the Inventory menu or the Advanced Reporting menu. Inventory reports are only run on the data from the most recent Inventory Check. They can't be run on data in the ECU or by archive dates.



To run Inventory reports:

1. Run **Report**.
2. Pull down the **Inventory** menu and point to **Reports**. Click the report name.

   Wait for the report to run.


View
Print...
Portrait
Save As...
Open...
Help
Report Help
Close
Contents
Pages
BERG'S GOURMET LOUNGE AND RESTAURANT
>>SIMULATED REPORT<<
Brand Information
Berg Infinity Report 4.21.10
Page 1
Group Name: <Master Group>
Printed On: 7/23/2002 At 11:54:40 PM
Brand Name
Count
Container
Container Cost
Container Value
Order Point
Order Qty.
Absolut 1.36 Liter 10.00 101.45 2.00 6 Spirit S
Apertif 0.00 Liter 6.00 67.64 0.00 0
Bacardi 3.12 Liter 10.00 101.45 2.00 6 Spirit S
Bacardi 151 1.06 Liter 12.00 118.36 2.00 6 Spirit S
Beefeater 1.96 Liter 8.00 84.55 2.00 42 Spirit S
Bombay 3.54 Liter 8.00 84.55 2.00 6 Spirit S
Bourbon -7.01 Liter 8.00 84.55 2.00 6 Spirit S
Brandy -0.12 Liter 8.00 84.55 2.00 6 Spirit S
Bud Light 4.16 Half Barrel 25.00 79.36 2.00 6 Beer M
Call 0.00 Liter 10.00 101.45 0.00 0
Call Cordial 0.00 Liter 11.00 101.45 0.00 0
Captain Morgan 3.18 Liter 11.00 101.45 2.00 6 Spirit S
Chivas Regal 1.22 Liter 15.00 135.27 2.00 6 Spirit S
Coffee Liqueur -2.66 Liter 6.00 67.64 2.00 6 Spirit S
Courvoisier 3.37 Liter 12.00 118.36 2.00 6 Spirit S
DAB 2.17 Half Barrel 30.00 99.20 2.00 6 Beer M
Domestic Cordial 0.00 Liter 8.00 84.55 0.00 0
Finlandia 3.28 Liter 8.00 84.55 2.00 6 Spirit S
Flavored Brandy -0.61 Liter 4.00 50.73 2.00 6 Spirit S
Gilbey's Gin 1.94 Liter 6.00 67.64 2.00 6 Spirit S
Gin -6.31 Liter 5.00 67.64 2.00 6 Spirit S
Grand Marnier 1.25 Liter 12.00 118.36 2.00 6 Spirit S

3. Click **Print** to print the report.
4. Click **Save As...** to save the report.
5. Click **Close** to exit.

Sample Reports

See *Container Stock Report*, *Cost Analysis Report* or *Brand Information Report* in the *Sample Reports* section for further explanation of each report.

SECTION 15 Reports

Infinity collects sales data from each ECU and calculates totals by station or group. This data can be reviewed on screen and/or on paper to help monitor inventory, track daily operations and identify potential problems. **Infinity** provides a broad range of reports to permit review of data from different perspectives. See the *Sample Reports* section for an example of each **Infinity** report. See the *Reconciliation and Variance Reports* section for help with reports that compare sales terminal data with **Infinity** data. You can also set up a schedule to run **Infinity** reports at specific intervals. See the *Schedules* section. This section provides help with the following tasks:

Set Report Options 15-2
Managing Report Files 15-8
Navigating Infinity Reports 15-10
Run a Current Sales Report 15-12
Run the Most Recent Report 15-14
Archive and Clear Sales (Z) 15-16
Run an Advanced Report 15-18
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Create a Custom Report 15-24
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Rename a Custom Report 15-28
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Create a Custom Export 15-37
Modify a Custom Export 15-40
Rename a Custom Export 15-41
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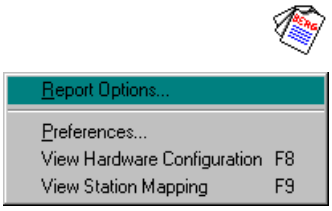
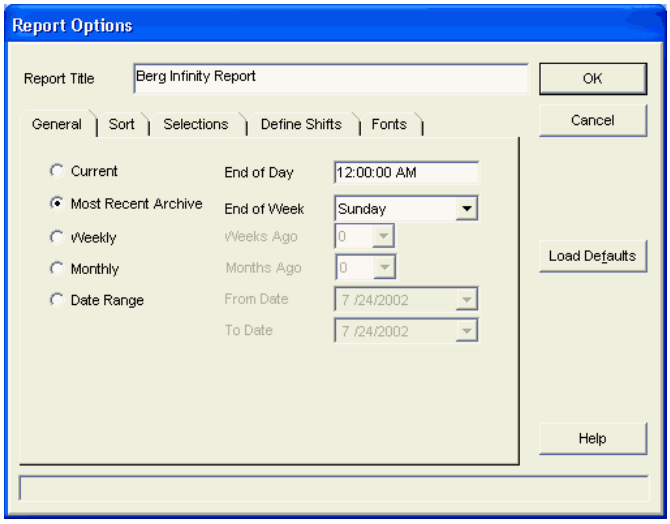
Set Report Options

Report options determine the look and scope of **Infinity** reports. The options you select are used as the default report options for your system. Specific reports can be customized with different options using the **Advanced Reporting** menu if desired. If you don't change any report options in the **Options** menu the Berg default options are used.



To set report options:

1. Run **Report**.
2. Pull down the **Options** menu. Click **Report Options...**.



3. Type a **Report Title**. (The Berg default is Berg Infinity Report.) The title appears at the top of all reports.

   The report title can be the name of the business or any name you prefer. It can be up to 39 characters (letters or numbers).

4. On the **General** tab, select the data you want **Infinity** to use for reports. (The Berg default is **Most Recent Archive**.)

   Current reports on all data currently stored at the ECUs, or in other words, all data since the last time you cleared sales at the ECU(s). To run this type of report the computer must communicate with the ECU(s).

   Most Recent Archive reports on data from the last time you cleared sales at the ECU(s). This data is stored at the computer in the most recent archive record. (This was formerly known as Last Z.) To run this type of report the computer does not communicate with the ECU(s) or report on any data currently stored at the ECU(s).

Weekly reports on a business week of archive records stored at the computer. (A business week is defined by the **End of Week** day.) The week reported on can be the current week, 1, 2 or 3 weeks ago. The archive records available at the computer depend on the number of times you cleared sales at the ECU during the specified week. (The computer looks for all archive records with dates that match the days in the specified week.) To run this type of report the computer does not communicate with the ECU(s) or report on any data currently stored at the ECU(s).

Weeks Ago specifies which week's data to use for a **Weekly** report. 0 is the current business week (from the first day of the week to today), 1 is the business week before the current week, 2 is the week before that, etc.

Monthly reports on a calendar month of archive records stored at the computer. The month reported on can be the current month or any month up to a year ago. The archive records available depend on the number of times you cleared sales at the ECU during the specified month. (The computer looks for all archive records with dates that match the days in the specified month.) To run this type of report the computer does not communicate with the ECU(s) or report on any data currently stored at the ECU(s).

Months Ago specifies which month's data to use for a **Monthly** report. 0 is the current month (from the first day of the month to today), 1 is the month before the current month, 2 is the month before that, etc.

To select a number of days ago as your default option, use **Date Range**.

Date Range (when set as a default option in the **Report Options** screen) doesn't actually specify a specific date range to report on—it specifies the number of days before the report date you want to include in the report data.

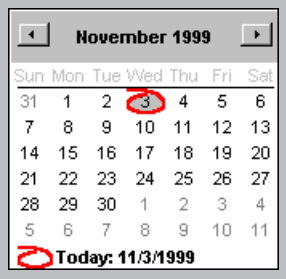
(continued on next page)

Archive Records

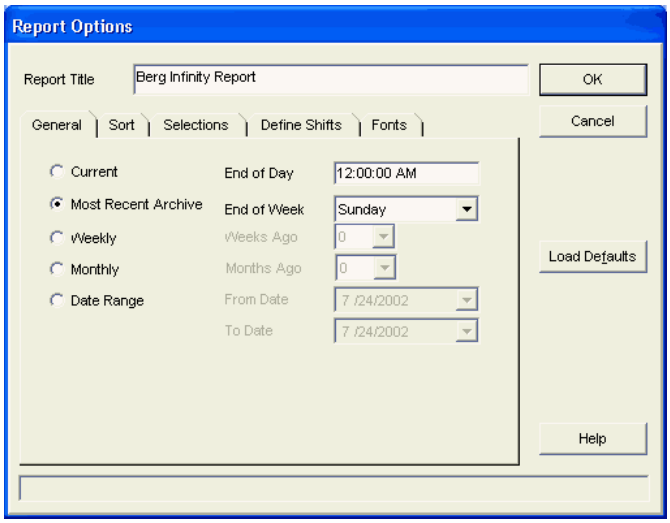
- Archive records for a specific date are only created at the computer when you archive and clear sales (Z) on that date.
- The archive record storage length is the amount of time the computer keeps archive records. This determines what data is available for archive reports. If your storage length is 3 months, you won't be able to run reports on any data further back than 3 months. The archive record storage length is set at the time of software installation. See *Enter Data Storage and Display Options* in the *Configuration Options* section.

Date Range

Click the drop-down arrow to see a calendar from which to choose your date.



- For example, if you



To use **Date Range** as your default option, determine the number of days ago you want to report on. Subtract that number from today's date. Type the result in the **From** field. (If today is 1/21 and you want reports to show data for the ten days previous to the report date, the **From** date should be 1/11. **Infinity** then runs reports on archive records for the ten days previous to and including the report date. It does not include data from 1/11 once the report date is later than 1/21.) The **To** date can't be changed to any date but today in **Report Options**. The archive records available depend on the number of times you cleared sales at the ECU during the specified days. (The computer looks for all archive records with dates that match the specified days.) To run this type of report the computer does not communicate with the ECU(s) or report on any data currently stored at the ECU(s).

5. Type the **End of Day** time. (The Berg default is 12:00 AM.)

   End of Day is the hour that marks the end of your business day (e.g 2:00 AM). Reports reflect the date the business day started. For example, if you ask for data from July 30, this will include data archived from 2:00:01 AM July 30 until 2:00 AM July 31. (12:00 PM is noon and 12:00 AM is midnight).

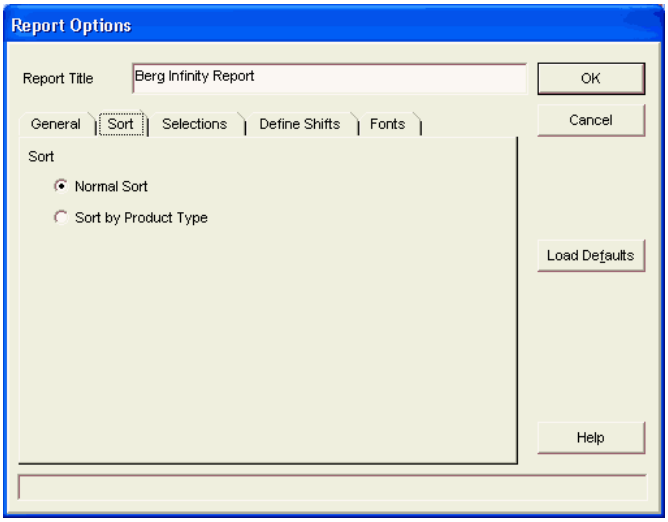
6. Select the **End of Week** day. (The Berg default is Sunday.)

   End of Week is the day that marks the end of your business week. This is used for weekly reports.

7. Click the **Sort** tab.

Archive Reports

- Reports that use archive records (Most Recent Archive, Weekly, Monthly, Date Range) can only report on data you've put in the archive records during the time specified. They don't necessarily report on all sales activity for the time specified.
- For example, if you run a weekly report on sales from 2 weeks ago but the last time you archived and cleared sales was a month ago, there is no data in the archive records to run the weekly report.
- Even if you archive and clear sales from the ECU right before you try to run the weekly report, there are no archive records with the dates from 2 weeks ago. (Of course, sales information for that week is included in the archive record you just ran, but it can't be broken out into a weekly report because it wasn't archived weekly.)



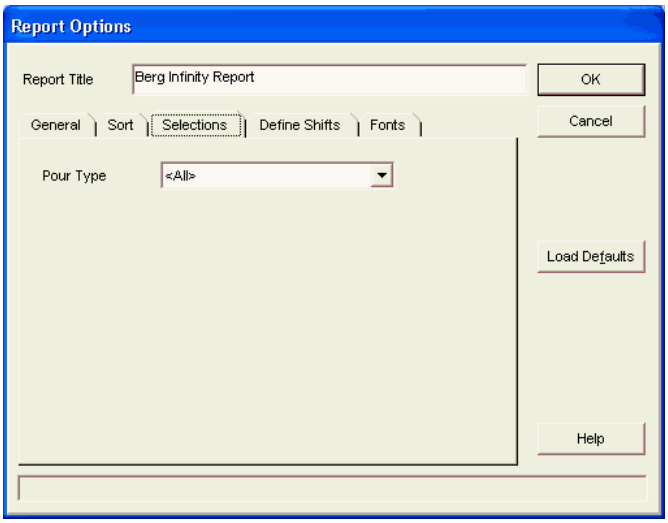
8. Select how **Infinity** sorts brand names on reports. (The Berg default is Normal Sort.)

   The sort does not determine subtotals–it just specifies how brand names are listed.

   Normal Sort provides a combined alphabetical list of all brands followed by an alphabetical list of cocktails.

   Sort by Product Type provides an alphabetical list of brands for each product type (liquor, wine, mixer, beer) followed by an alphabetical list of cocktails.

9. Click the **Selections** tab.

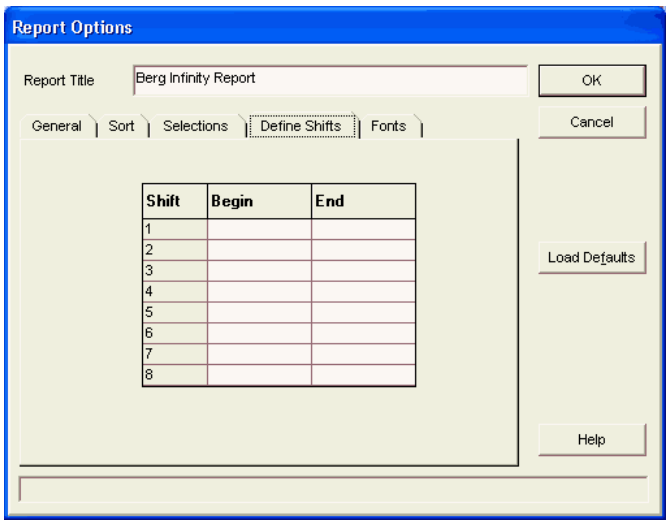


10. Select the **Pour Type** to include in reports. (The Berg default is All.)

    Pour Types include Charged and All.

(continued on next page)

11. Click the **Define Shifts** tab.

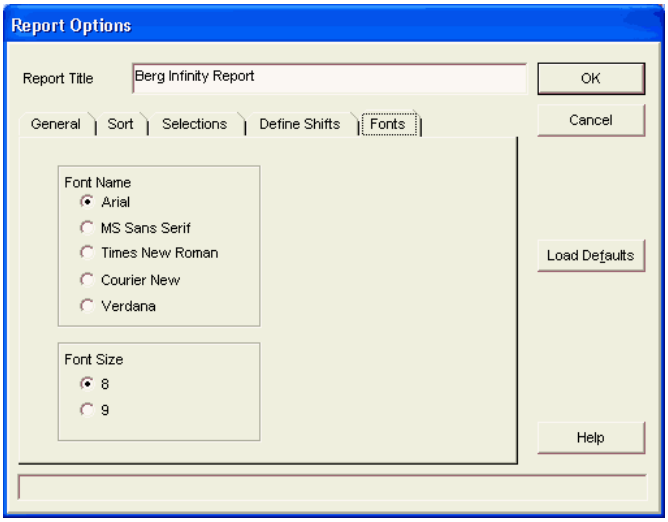


Shift definitions are optional and are used to display sales data by shifts in an Hourly Sales (X4) report. If you define shifts, all sales from an entire shift are reported on one line in the report (rather than sales being reported for each hour). See the sample *Hourly Sales (X4) Report* in the *Sample Reports* section for more details about the report.

13. Type the **Begin** and **End** time of each shift. (There is no Berg default.)

    Shift 1 is the first shift of a business day. Type the hour, a space and am or pm (e.g. 2 am). You can also use 24 hour notation. You can't enter minutes. Make sure shift times don't overlap.

14. Click the **Fonts** tab.



15. Select the **Font Name** and the **Font Size** to use in all reports.

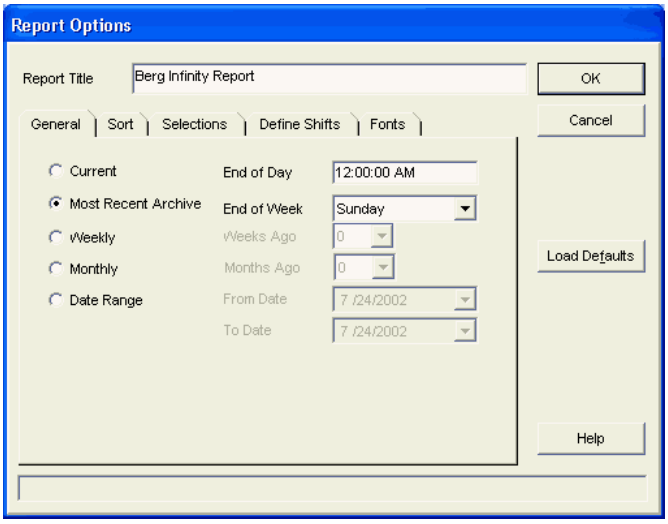
Berg Font Defaults

- The font defaults have been chosen to work well with the greatest range of printers. You should change the defaults only if it's necessary to get a good-looking report with your printer.

Font Names include Arial, MS Sans Serif, Times New Roman, Courier New and Verdana. Select the font you prefer for reading your reports. (The Berg default is Arial.)

Font Sizes include 8 and 9. (The Berg default is 8.)

16. To load the Berg defaults for all tabs and the report title click **Load Defaults**.



17. Click **OK** to save the entries on all tabs and exit the **Report Options** screen. Or click **Cancel** to exit without saving any changes.

Managing Report Files

When you run an **Infinity** report, you can save a copy of it in a computer file. You can then open or delete any of your report files.

Report File Types

You can save an **Infinity** report in any of 5 file types:

Some file types are not available in the Basic or Advanced edition.

Report File

This is the Infinity report file type. It uses the .rdf extension. Files saved in this format can be viewed only with the Infinity report viewer.

Acrobat

This file type uses the .pdf extension. Files saved in this format can be viewed only with Adobe Acrobat Reader©.

Web Page (HTML)

This file type uses the .html extension. Files saved in this format can be viewed with a web browser.

Excel Export

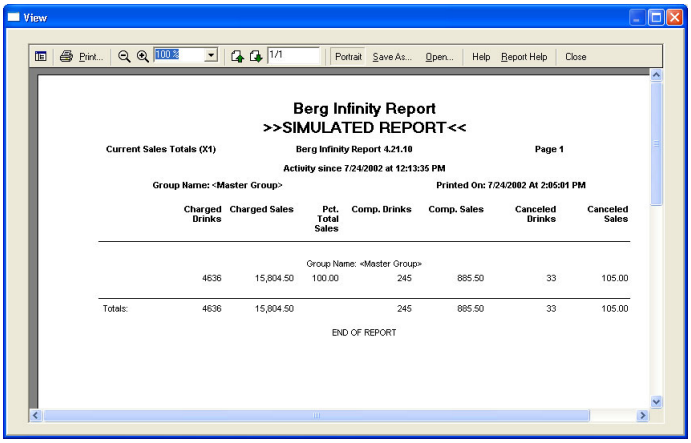
This file type uses the .csv extension. Files saved in this text-only format can be viewed with Microsoft Excel©.

Text Export

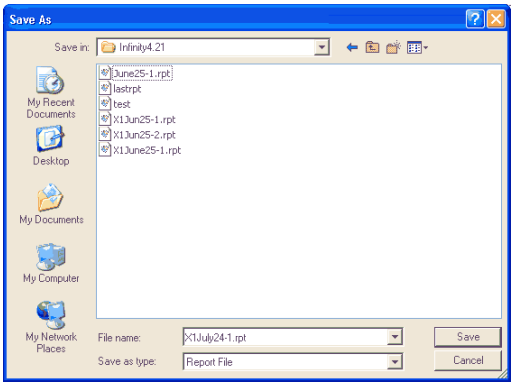
This file type uses the .txt extension. Files saved in this text-only format can be viewed with any text editor.

■ To save an Infinity report to a file:

1. Run the report. See *Run a Current Sales Report* or *Run an Advanced Report* in this section.



2. With the report in the **View** screen, click **Save As...**.



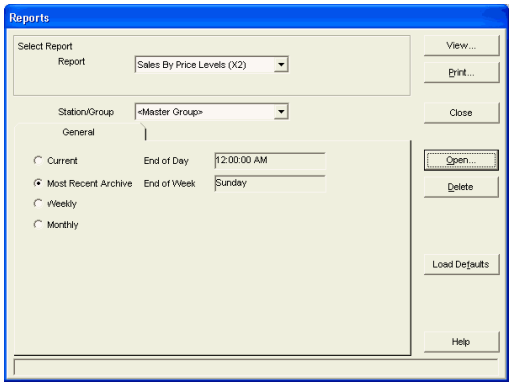
3. Select the **Save in** folder for the report.
4. Type a **File name** for the report. Choose a name that easily distinguishes this report file from other report files. You don't need to type the file extension.

   OR

   Select an existing report name (to overwrite it with the new report).
5. Select a file type from the **Save as type** list.
6. Click **Save**.

You can also click on the report file name in Windows and it will start the **Report** program and display the report in the **View** screen.

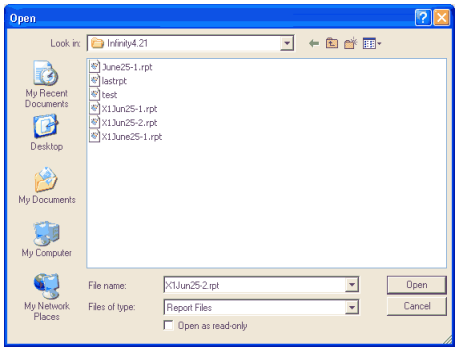
■ To open a saved Infinity report file:



1. Select **Advanced Reporting | Advanced Report...** to access the **Reports** screen OR run a report to access the **View** screen.
2. Click **Open...**.

.RDF Files Only

From the **Report** program, you can only view or delete files saved in the Infinity report format (.rdf).

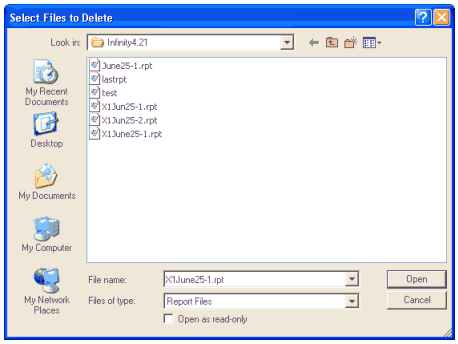


3. Select the **Look in** folder of the report file.
4. Double-click the name of the report OR type the report name and click **Open**.

You can also delete report files as you would delete any other file in Windows.

■ To delete a saved Infinity report file:

1. Select **Advanced Reporting | Advanced Report...** to access the **Reports** screen.



2. Click **Delete**.
3. Select the **Look in:** folder of the report file.
4. Double-click the name of the report OR type the report name and click **Open**.

Navigating Infinity Reports

The report viewer has several tools to help you vew your report.

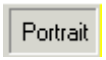
To navigate a report:

Click the open window icon (or double-click the title bar) to maximize the screen.

Scroll vertically or horizontally with scroll bars.

Click the plus sign (+) one or more times to **Zoom In**.
Click the minus sign (-) one or more times to **Zoom Out**.

Use the drop-down list to select a view percentage.



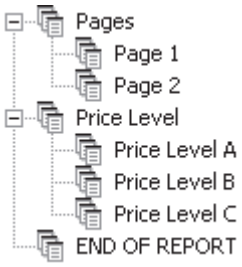
Click the **Portrait/Landscape** button to toggle between these two views.

If a report has multiple pages:

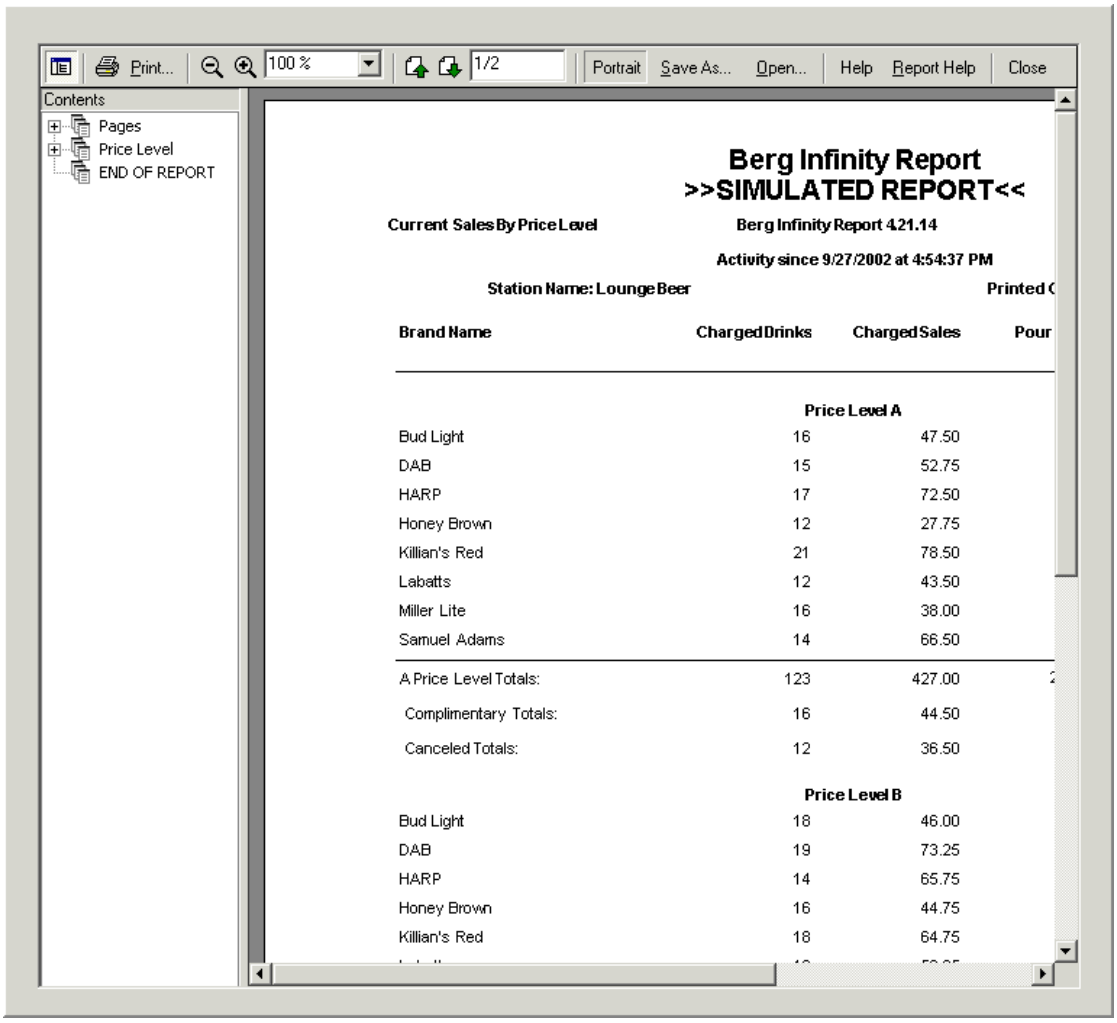
Click the **Previous Page** or **Next Page** icon to jump to an adjacent page.

Click the **Table of Contents** icon to open the **Contents** window.

Select a page (or other sub-heading) in the **Contents** window.



Type a specific page number to jump to that page.

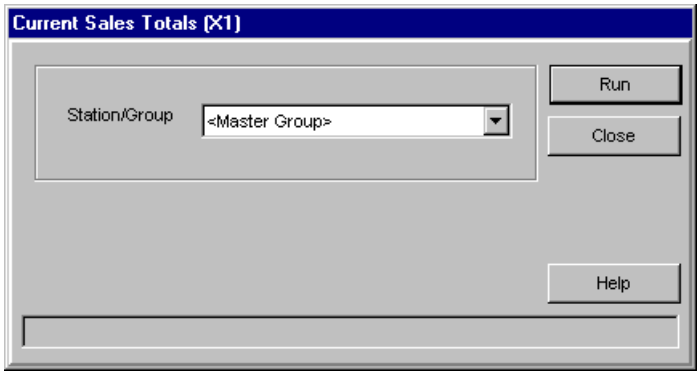

Print...
100 %
1/2
Portrait
Save As...
Open...
Help
Report Help
Close
Contents
Pages
Price Level
END OF REPORT
Berg Infinity Report
>>SIMULATED REPORT<<
Current Sales By Price Level
Berg Infinity Report 4.21.14
Activity since 9/27/2002 at 4:54:37 PM
Station Name: Lounge Beer
Printed
Brand Name
Charged Drinks
Charged Sales
Pour
Price Level A
Bud Light 16 47.50
DAB 15 52.75
HARP 17 72.50
Honey Brown 12 27.75
Killian's Red 21 78.50
Labatts 12 43.50
Miller Lite 16 38.00
Samuel Adams 14 66.50
A Price Level Totals: 123 427.00
Complimentary Totals: 16 44.50
Canceled Totals: 12 36.50
Price Level B
Bud Light 18 46.00
DAB 19 73.25
HARP 14 65.75
Honey Brown 16 44.75
Killian's Red 18 64.75

Run a Current Sales Report

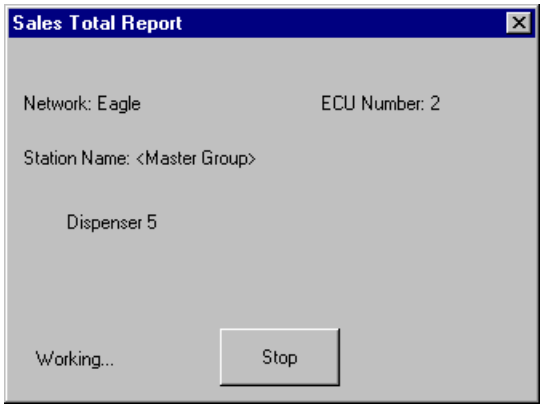
Current sales reports show sales data currently stored at the ECU(s) or in other words, all data accumulated since the last time you cleared sales at the ECU. **Infinity** provides a convenient way to access four reports with the **Current Sales** menu. They are: Sales Totals (X1), Sales By Price Levels (X2), Detailed Sales (X3), and Hourly Sales (X4). For a description of each sales report see the *Sample Reports* section. The report options entered in the **Options** menu are used when you run a report with the **Current Sales** menu (with the exception of data type which is **Current** regardless of the data type you selected in the **Options** menu).

To run a current sales report:

1. Run **Report**.
2. Pull down the **Current Sales** menu. Click the name of the report you want to run.



3. Select the **Station/Group**.
4. Click **Run** to run the report.

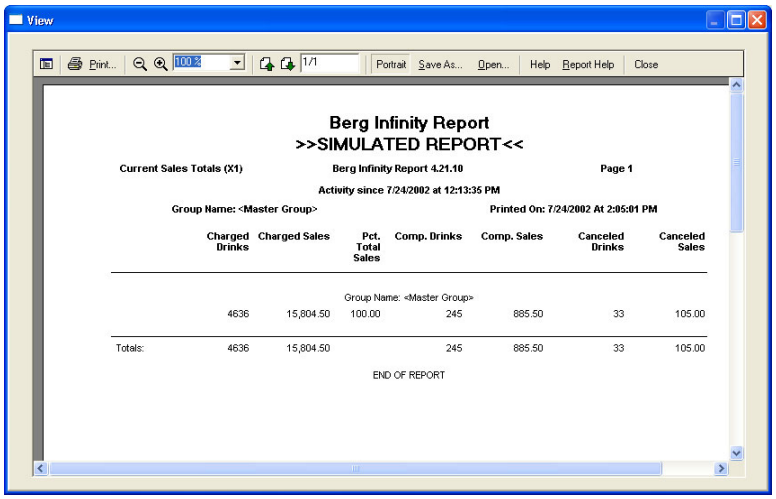


Never turn off or restart your computer while the report is running or sales data may be lost.

Wait while the data is retrieved from the ECU(s). The time it takes to run the report is determined by the amount of sales activity and the number of ECUs in the station or group.

Navigation

For help using the report viewer, see *Navigating Infinity Reports* in this section.



- If you try to close the **View** screen without printing or saving the report, a prompt gives you a chance to cancel so you can save or print the report.
- See *Managing Report Files* in this section for help saving, opening and deleting **Infinity** report files.

5. View the report in the **View** screen.
6. To save the report to a file click **Save As...**. Enter the file name and click **Save**.
7. To print the report click **Print**. Select a **Printer Name**, **Print range** and number of **Copies** and click **OK**.
8. Click **Close** to exit the **View** screen.
9. Click **Close** to exit the **Current Sales** report screen.

Note

❑ You can also run a current sales report using the **Advanced Reporting** menu. This is useful if you want to set specific options for a current sales report. See *Run an Advanced Report* in this section.

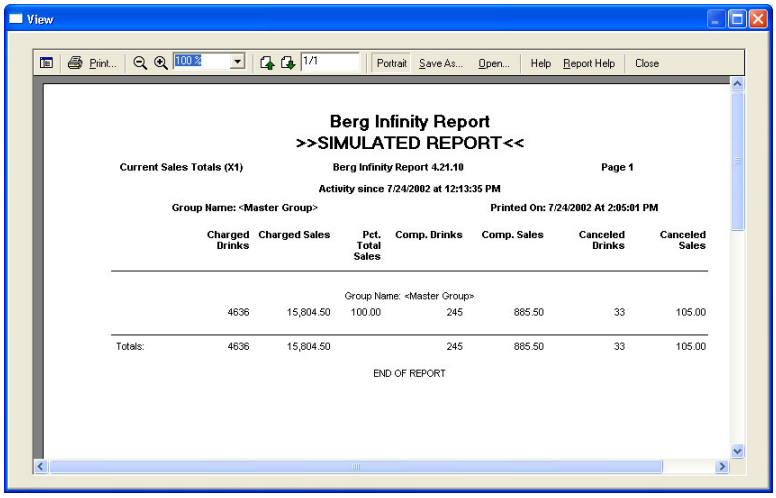
Run the Most Recent Report

You can view (and print) the last report run on your system using this convenient menu option. You select this feature using the **Current Sales** menu but "Most Recent" refers to the last report of any kind run on your system.

- See *Managing Report Files* in this section for help saving, opening and deleting **Infinity** report files.

■ To run the most recent report:

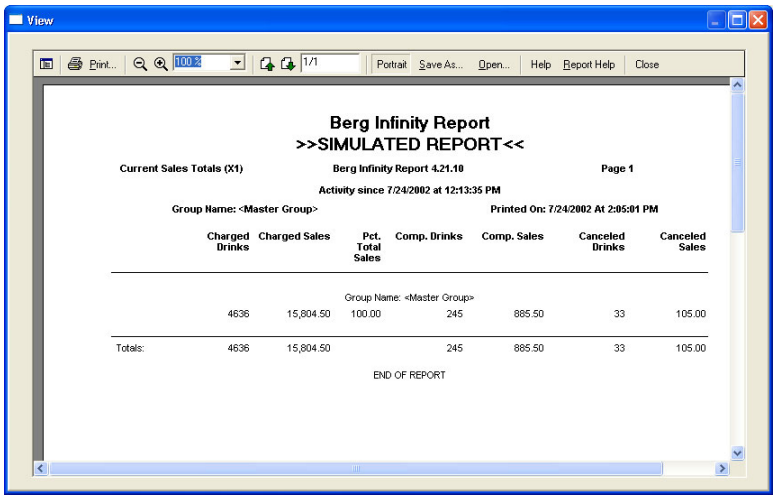
1. Run **Report**.
2. Pull down the **Current Sales** menu. Click **Most Recent Report...**.



3. View the report in the **View** screen.
4. To save the report to a file click **Save As...**. Enter the file name and click **Save**.

Navigation

For help using the report viewer, see *Navigating Infinity Reports* in this section.

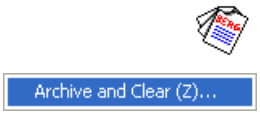


5. To print the report click **Print**. Select a **Printer Name**, **Print range** and number of **Copies** and click **OK**.

6. Click **Close** to exit the **View** screen.

Archive and Clear Sales (Z)

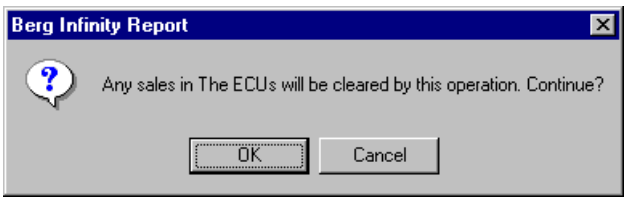
When you archive and clear sales at selected ECUs you reset all totals at the ECUs to zero and send the data to archive records at the computer. (This was called a Z report in earlier versions of **Infinity**.) The sales you clear from the ECU are shown on a **Current Sales Totals/Clear Sales** report which is identical to a **Current Sales Totals (X1)** report *except* running this report zeros out the ECU. See the sample *Current Sales Totals/Clear Sales (Z) Report* in the *Sample Reports* section for help with the data on the report. The archive records sent to the computer are stored for the length of time you selected under Data Storage and Display Options during **Infinity** installation.



To archive and clear sales (Z):

1. Run **Report**.
2. Pull down the **Clear Sales** menu. Click **Archive and Clear (Z)...**.

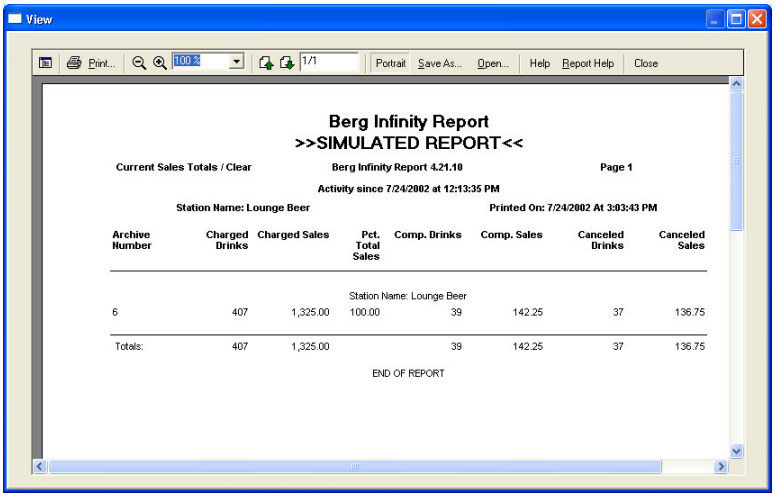
3. Select the **Station/Group**.
4. Click **Run** to archive and clear sales at all ECUs in the selected station or group.
5. Click **OK** to confirm the clearing of sales or click **Cancel** to exit the process.



Wait while the data is retrieved from the ECU(s). The time it takes is determined by the amount of sales activity and the number of ECUs in the station or group. Never turn off or restart your computer while data is being retrieved or the data may be lost.

Navigation

For help using the report viewer, see *Navigating Infinity Reports* in this section.

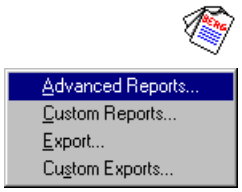


- If you try to close the **View** screen without printing or saving the report, a prompt gives you a chance to cancel so you can save or print the report.
- See *Managing Report Files* in this section for help saving, opening and deleting **Infinity** report files.

6. View the report in the **View** screen.
7. To save the report to a file click **Save As...**. Enter the file name and click **Save**.
8. To print the report click **Print**. Select a **Printer Name**, **Print range** and number of **Copies** and click **OK**.
9. Click **Close** to exit the **View** screen.
10. Click **Close** to exit the **Archive and Clear Sales (Z)** screen.

Run an Advanced Report

Infinity offers several reports in addition to those in the **Current Sales** and **Clear Sales** menus. These reports and any custom reports you create are run using the **Advanced Reporting** menu. For a description of all **Infinity** reports see the *Sample Reports* section.



Load Defaults

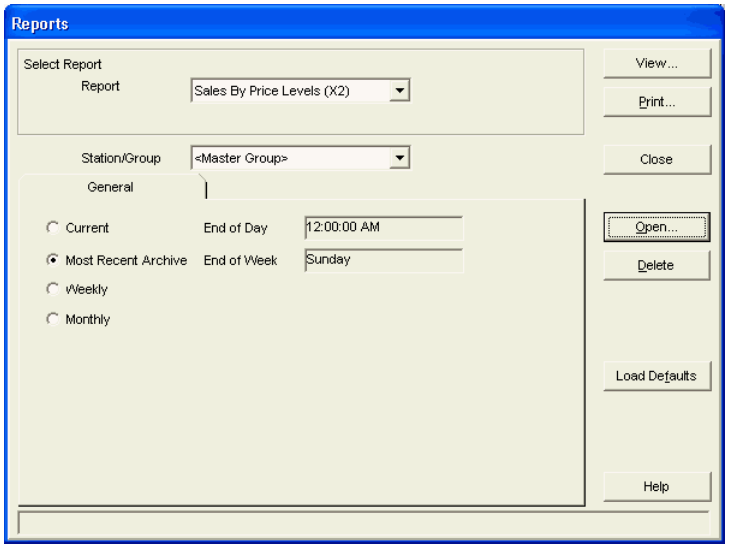
- Click **Load Defaults** to use your default report options.
- Selecting a different report always reloads the default options.

Open.../Delete

- See *Managing Report Files* in this section for help saving, opening and deleting **Infinity** report files.

■ To run an advanced report:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Advanced Reports...**.



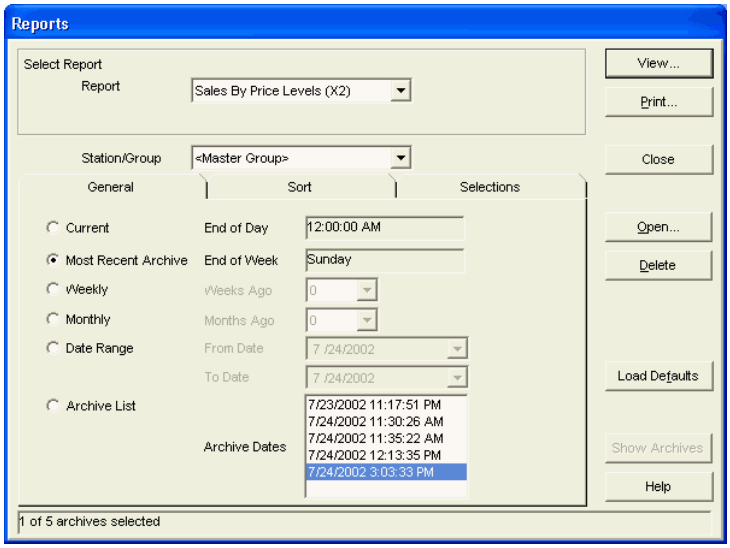
3. Select the **Report** you want to run. The list includes any custom reports you've created.
4. Select the **Station/Group** for which you want to run the report.
5. Select options on the **General** tab for this report only.

   The **General** tab specifies which dates of data you want included in the report. See *Set Report Options* in this section for a description of the options.

   To select a **Date Range** or an **Archive List**, you must enable the Advanced or Enterprise edition.

Show Archives

- Click **Show Archives** to see a list of archive dates.
- If you select a monthly or weekly date range, all the archive dates involved will be highlighted.
- You can select archive records directly from the list as long as they are consecutive. The report will show the dates and times of the first and last records.
- The total count of archive records selected is shown in the status bar at the bottom of the screen.



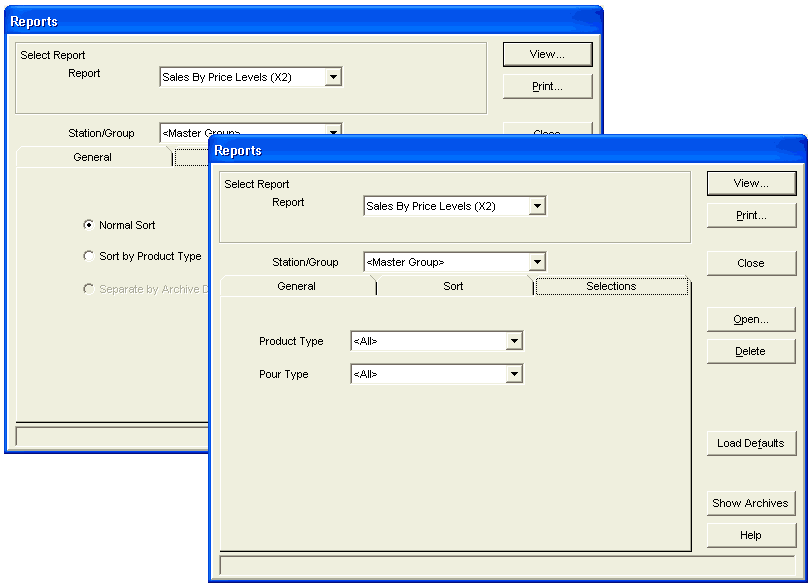
To select a **Date Range**, type in the **From Date** and **To Date**.

OR

Click the drop-down arrow to see calendars to help you choose a date.

6. Select options on the **Sort** and **Selections** tabs for this report only. You must enable the Advanced or Enterprise edition to use these tabs.

Some options on the **General**, **Sort** and **Selections** tabs are not available for all reports.



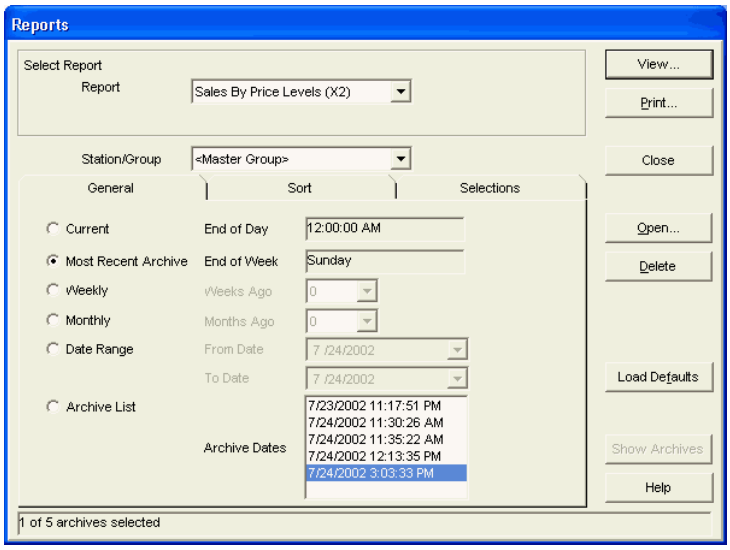
The **Sort** tab specifies in what order items are listed on the report. You can choose to see all brands listed alphabetically (**Normal Sort**) or grouped by **Product Type** or **Separate by Archive Date**, depending on the report.

The **Selections** tab specifies types of data to include in the report. You can choose to see data for a specific **Product Type** or **Pour Type**, depending on the report.

(continued on next page)

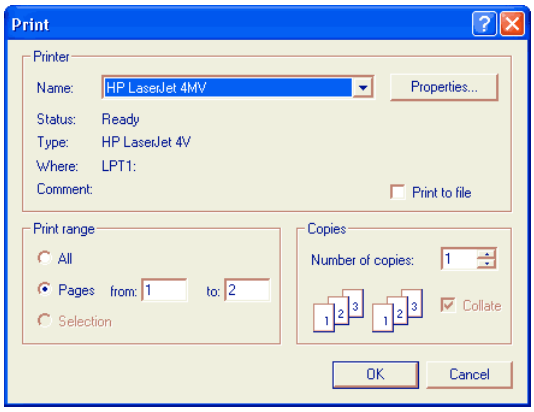
Custom Reports

- The options you select for an advanced report are not used by the **Schedule** program. If you want to run a report with specific options using a schedule, see *Create a Custom Report* in this section.



7. To send the report directly to a printer, click **Print**.

   Select a **Printer Name**, **Print range**, number of **Copies** and click **OK**.



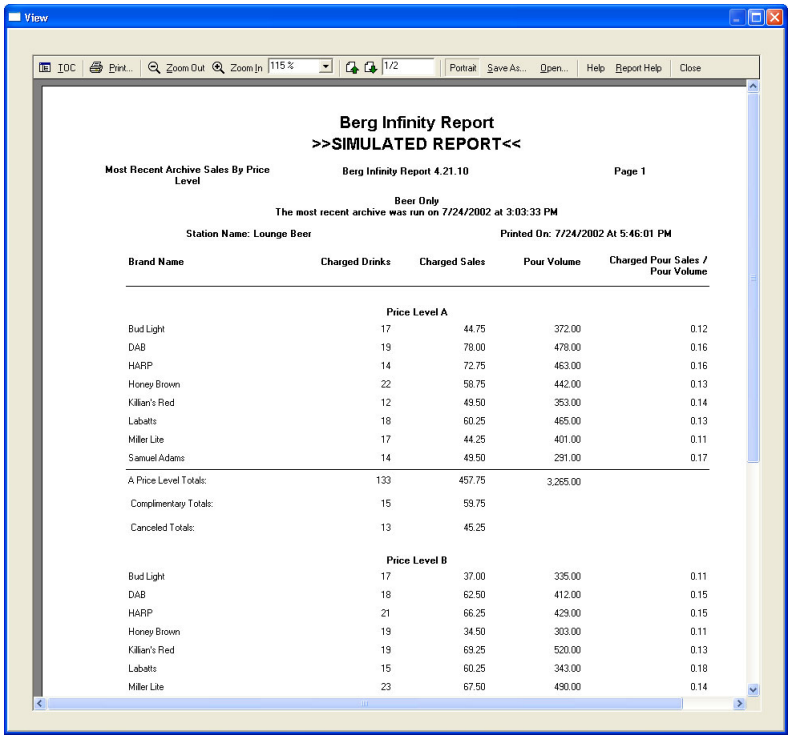
   OR

   To view the report on the screen, click **View**.

   Wait while the report is run. The time it takes to run the report is determined by the amount of sales activity and the number of ECUs in the station or group. Never turn off or restart your computer while the report is running or sales data may be lost.

Navigation

For help using the report viewer, see *Navigating Infinity Reports* in this section.



- If you try to close the **View** screen without printing or saving the report, a prompt gives you a chance to cancel so you can save or print the report.
- See *Managing Report Files* in this section for help saving, opening and deleting **Infinity** report files.

8. View the report in the **View** screen.
9. To save the report to a file click **Save As...**. Enter the file name and click **Save**.
10. To print the report click **Print**. Select a **Printer Name**, **Print range** and number of **Copies** and click **OK**.
11. Click **Close** to exit the **View** screen.
12. Click **Close** to exit the **Reports** screen.

Create a Column Selection Report

You custom design this report by selecting exactly which items appear on the report. You then run the report and save, print or open it as you would any other report. You must enable the Enterprise edition to use a Column Selection report. See *Column Selection Report* in the *Sample Reports* section for a description of the report.

Why use this report?

- To review data important to you that isn't available on any other report. Or, to isolate certain data for further analysis.
- For example, if you need to specifically review comp pouring at all beer taps, you can design a *"Comp Beer"* report.

  Select your beer station or group, select **Comp Drinks** and/or **Comp Sales** and/or **Comp Volume** for your columns.

Berg Infinity Report
>>SIMULATED REPORT<<

Most Recent Archive Column Selection Berg Infinity Report 4.21.11 Page 1

By Sales

Station Name: Lounge Beer Printed On: 7/26/2002 At 2:47:03 PM

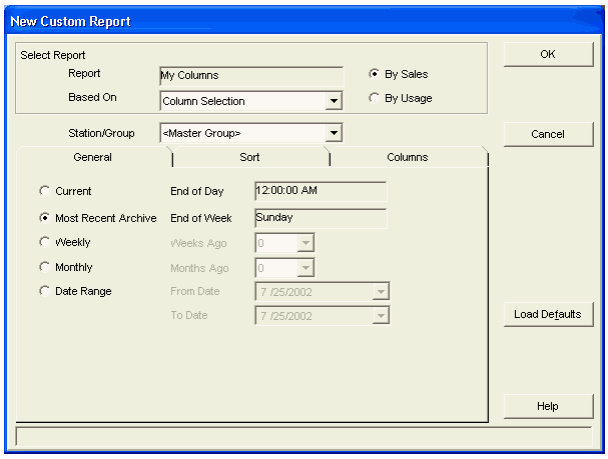
Brand Name	Comp. Sales	Comp. Drinks	Comp. Volume
Bud Light	20.75	8	150.00
DAB	28.25	5	147.00
HARP	30.50	7	159.00
Honey Brown	8.50	6	54.00
Killian's Red	14.50	5	77.00
Labatts	16.00	5	85.00
Miller Lite	8.75	3	65.00
Samuel Adams	40.50	8	212.00
Totals:	167.75	47	949.00

END OF REPORT

1. Select **Sales** or **Usage** as the type of report.
2. Click the **Columns** tab.

   Select each item from the list on the right you want to see on the report. Click **Add** or drag each item to the list on the left.
3. Click the **Sort** tab.

   Select the sort order for brands on the report. Sort options vary according to the items you select on the **Columns** tab.



Sales vs Usage

- **Sales** means you'll see Drink information for each brand in the report. A drink is a shot or cocktail. Ingredients in a cocktail recipe are not listed as individual drinks.
- **Usage** means you'll see Pour information for each brand. A pour is any shot of the brand. Ingredients in a cocktail recipe are listed as pours.

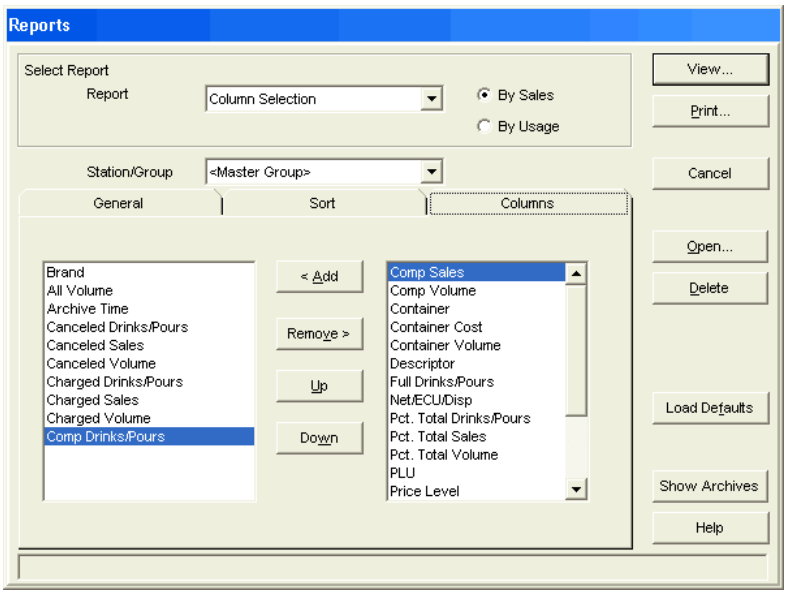
Columns

- The columns appear on the report from left to right in the order they appear in your list from top to bottom. Select an item and use the **Up** and **Down** buttons or drag and drop items to correctly order them.
- Column items vary depending on whether you've selected **Sales** or **Usage** as the type of report.

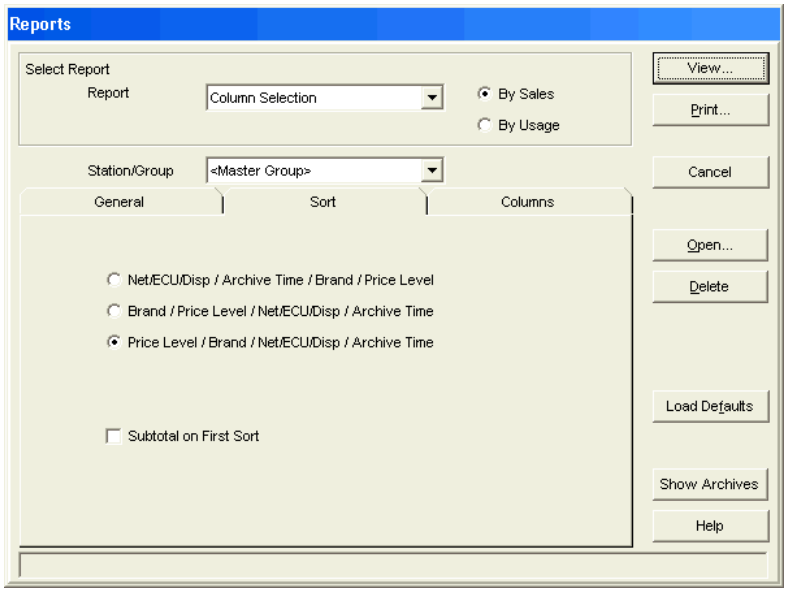
Subtotal on First Sort

- Check **Subtotal on First Sort** to see brand information subtotaled for the first sort level.
- For example, if you select this option and your first sort level is **Net/ECU/Disp**, you'll see subtotals for each dispenser at each ECU. If your first sort level is **Price Level**, you'll see subtotals for each price level.

Report



tom reports using the report options available in **Infinity**. This is
e several report options you change each time you run a certain
ions once, save the report with its own name and never have to set
report can be run from the Custom Reports screen, the Advanced



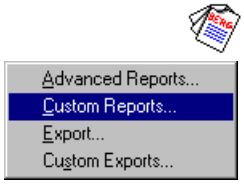
ng the report in a schedule. Custom reports can be renamed, deleted
orts if you choose.

To create a custom report:

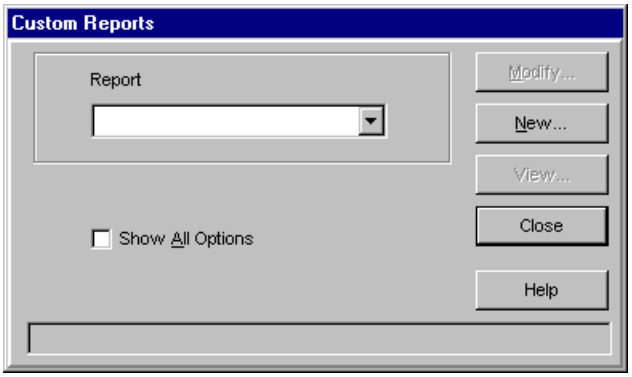
1. Run **Report**.

2. Pull down the **Advanced Reporting** menu. Click **Custom Reports...**.
3. Click **New...**.
4. Type the **New Name** of your custom report. It can be up to 19 characters.
5. Click **Continue...**.
6. Select the name of the report you want to customize from the **Based On** list.

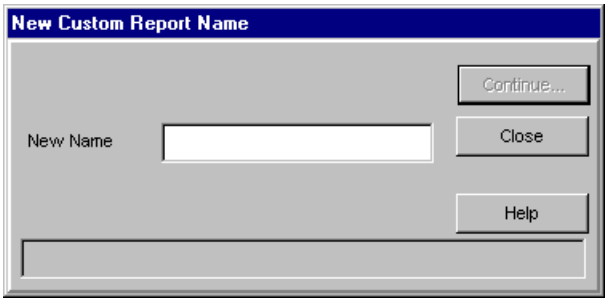
   The **Based On** list contains standard reports and does not include other custom reports you may have created.



7. Select the name of the **Station/Group**.
8. Select the options on the **General**, **Sort** and **Select**



Categories tabs that you want for your report.



Some options are not available for all reports. See *Set Report Options* in this section for a description of the options.

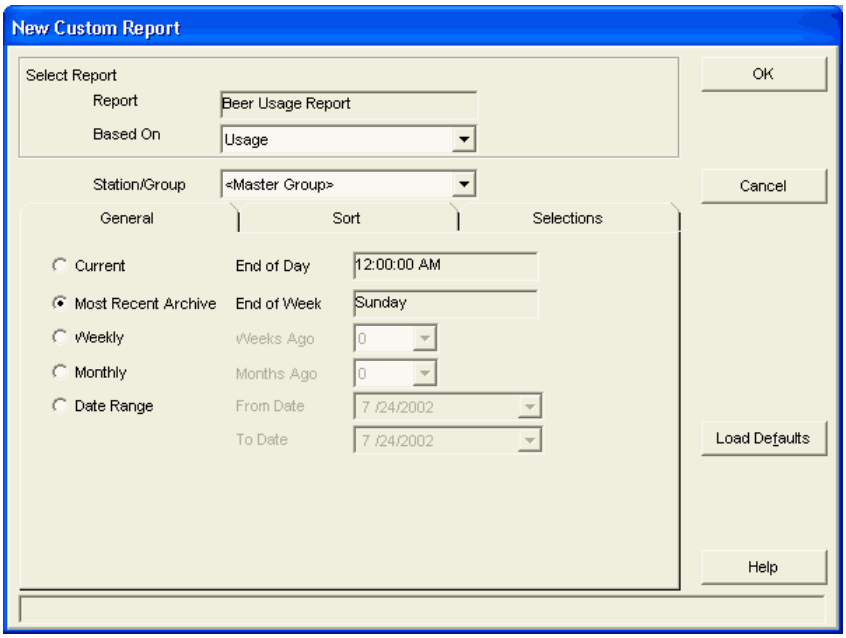
9. Click **OK** to save the customized report.

Copy

- To save time creating similar custom reports, you can copy any existing custom report and rename it.

  This gives you a starting point for the new report and leaves the existing one intact.
- Select the existing custom report. Check **Show All Options** and click **Copy...**.
- Type a name for the new report.

  The existing report is copied and given the new name.
- You can now select the new report, click **Modify...** and make any further changes.

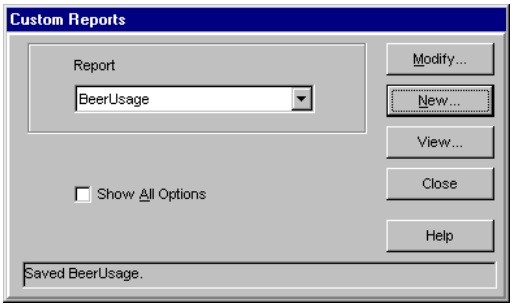


The report is saved and the new name is added to the report list.

10. Click **Close** to exit the **Custom Reports** screen.

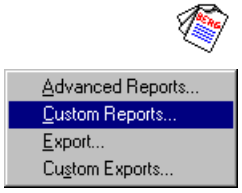
View...

- Click **View...** to run any custom report you've created.



Modify a Custom Report

You can make changes to any custom report you have created. If you want to change the name of a custom report, see *Rename a Custom Report* in this section.

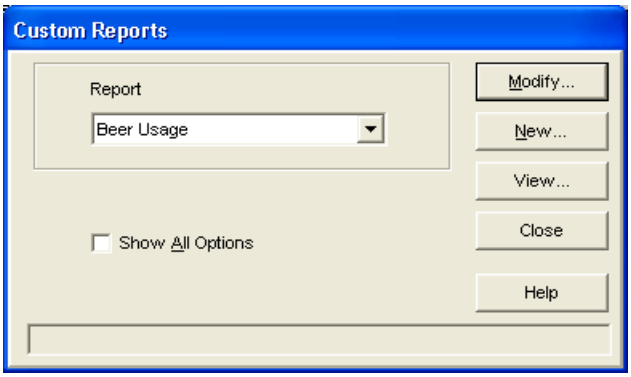


View...

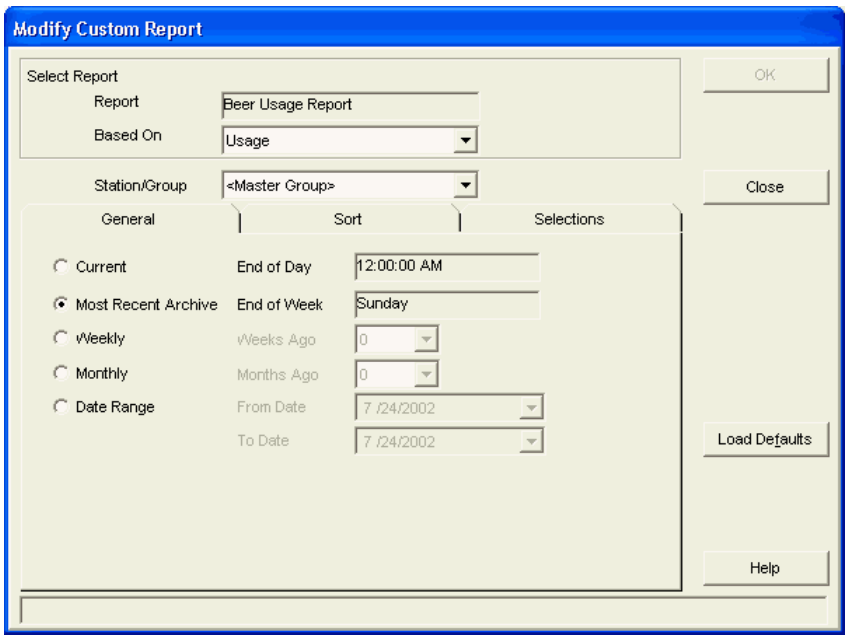
- Click **View...** to run any custom report you've already created.

■ To modify a custom report:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Custom Reports...**.



3. Select the **Report** you want to modify.
3. Click **Modify...**.



4. Make any modifications to the name of the **Station/Group**, the **Based On** report, and any options on the **General**, **Sort** and **Select Categories** tabs.

   Some options are not available for all reports. See *Set Report Options* in this section for a description of the options.

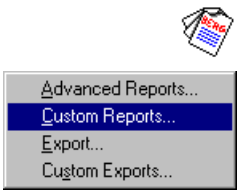
5. Click **OK**.

   The selected report, the selected station or group and all the selected options are saved.

6. Click **Close** to exit the **Custom Reports** screen.

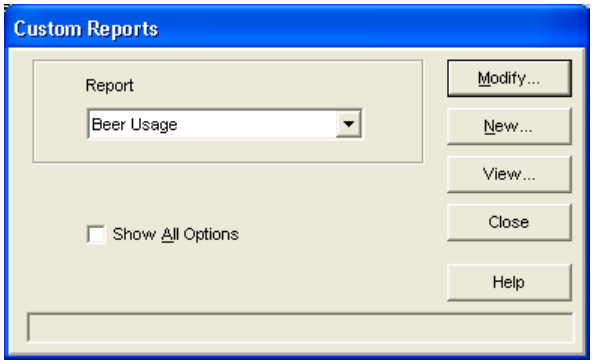
Rename a Custom Report

If you have already created a custom report and you want to change only its name, use this procedure. If you want to change the options you've set for a custom report, see *Modify a Custom Report* in this section.

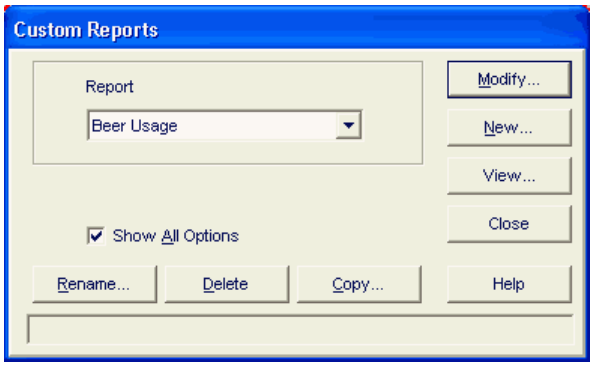


To rename a custom report:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Custom Reports...**.

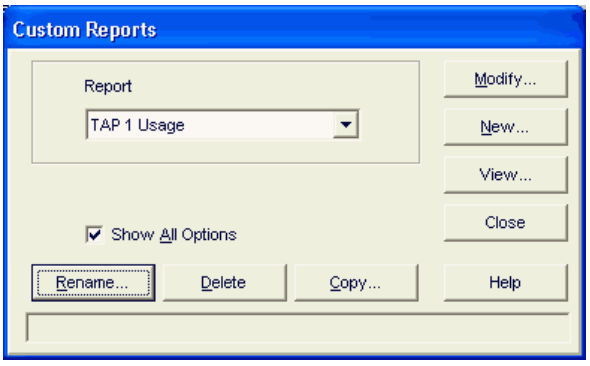


3. Select the name of the **Report** you want to rename.
4. Select **Show All Options**.



5 Click **Rename...**.

6. Type the **New Name** of your custom report. It can be up to 19 characters.
7. Click **OK**.

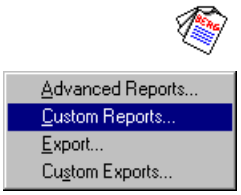


The report is saved with the new name.

8. Click **Close** to exit the **Custom Reports** screen.

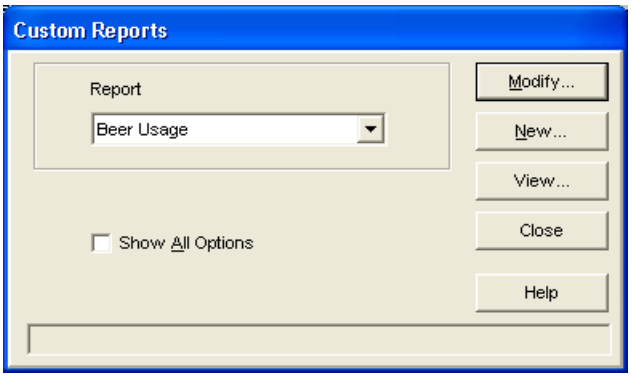
Delete a Custom Report

You can delete any custom reports you have created.

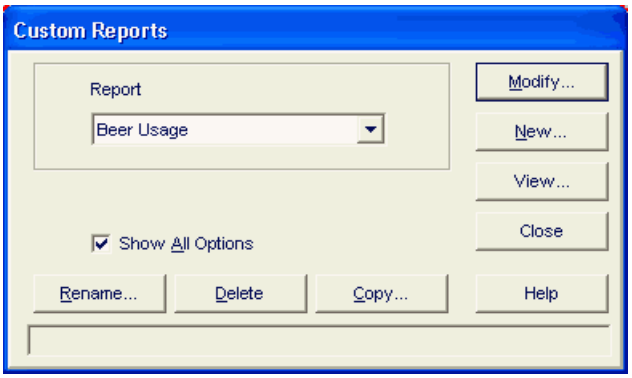


To delete a custom report:

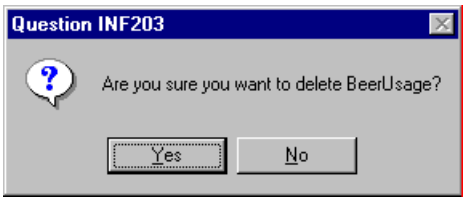
1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Custom Reports...**.



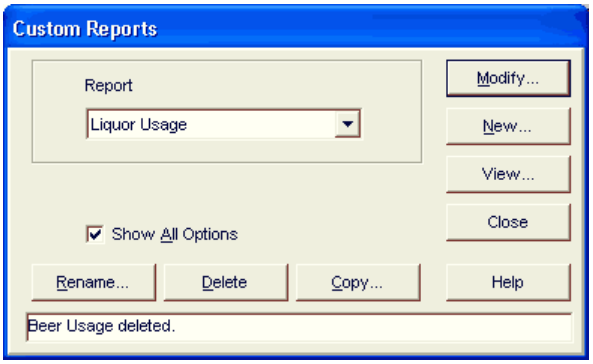
3. Select the name of the **Report** you want to delete.
4. Select **Show All Options**.



5. Click **Delete**.



6. Click **Yes** to confirm the deletion.

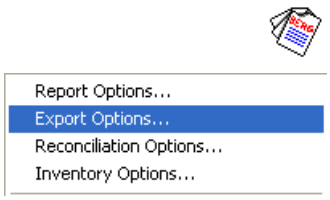


The report is deleted from the list.

7. Click **Close** to exit the **Custom Reports** screen.

Set Export Options

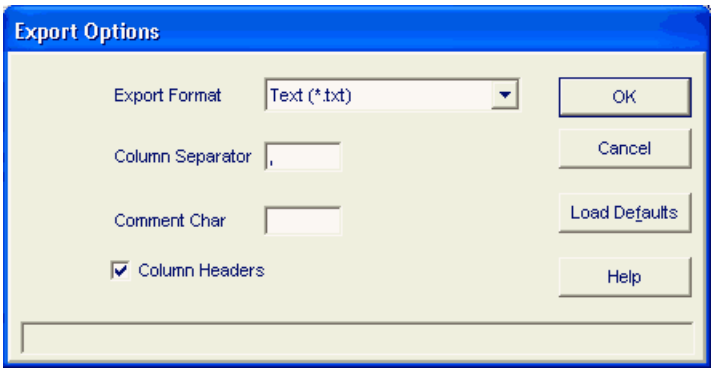
Export options specify the layout of the export file. Options you specify are used for all future exports (until you change them).



You can also access **Export Options** from the Export screen.

To set export options:

1. Run **Report**.
2. Pull down the **Options** menu. Click **Export Options...**.



3. Select an **Export Format**.

   A Text file uses a .txt extension and can be viewed with any text editor. You can specify any Column Separator with this format.

   An Excel file uses a .csv extension and can be viewed with Microsoft Excel©. This format requires a comma Column Separator.

4. Type a **Column Separator** if required.

   This is the character used to separate columns of information in the export file. The default is a comma (,). You should enter the Column Separator required by the importing software application.

5. Type a **Comment Char** if desired.

   This is any character used to denote a comment line. A header line, starting with this character, will appear as the first line of the export file. This line describes the content of the export. You should enter a character recognized by the importing software application. This character tells the importing software to ignore this line as a data line.

6. Check **Column Headers** if required.

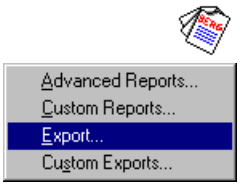
   If you check this option, a line is included in the export file listing the column names. This line appears after any header line. This line is not commented since it can be used by programs such as Excel©.

   Click **Load Defaults** to see the Berg defaults in all fields.

7. Click **OK** to save and exit.

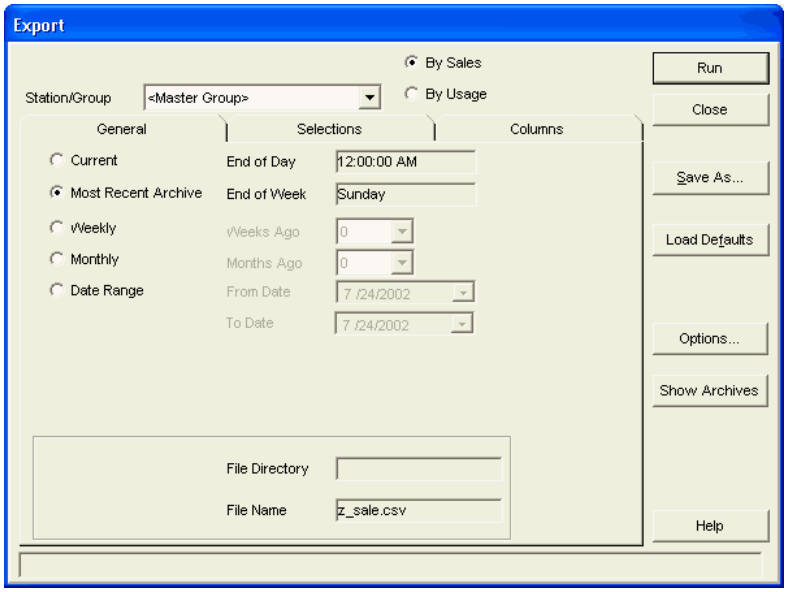
Export Report Data

You can export report data from **Infinity** if you've enabled the Advanced or Enterprise edition. Export files can be in either text or Excel© format. If you enable the Enterprise edition, you can select the columns of report data to include in the export file.



To export report data:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Export...**.



3. Select the name of the **Station/Group**.
4. Select **Sales** or **Usage** as the type of export.
5. Select options on the **General** tab for this export only.

   The **General** tab specifies which dates of data you want included in the export. See *Set Report Options* in this section for a description of the options.

   To select a **Date Range** or an **Archive List**, you must enable the Enterprise edition.

   To select a **Date Range**, type in the **From Date** and **To Date**.

   OR

   Click the drop-down arrow to see calendars to help you choose a date.

Sales vs Usage

- **Sales** means you'll see Drink information for each brand in the report. A drink is a shot or cocktail. Ingredients in a cocktail recipe are not listed as individual drinks.
- **Usage** means you'll see Pour information for each brand. A pour is any shot of the brand. Ingredients in a cocktail recipe are listed as pours.

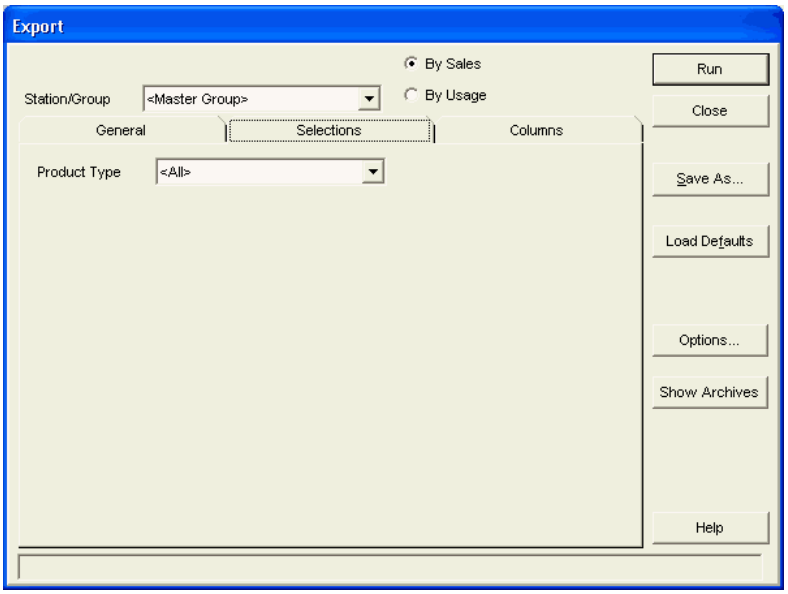
Show Archives

- Click **Show Archives** to see a list of archive dates.
- If you select a monthly or weekly date range, all the archive dates involved will be highlighted.
- You can select archive records directly from the list as long as they are consecutive. The report will show the dates and times of the first and last records.
- The total count of archive records selected is shown in the status bar at the bottom of the screen.

6. Select options on the **Selections** and **Columns** tab for this export only. You must enable the Enterprise edition to use these tabs.

Options

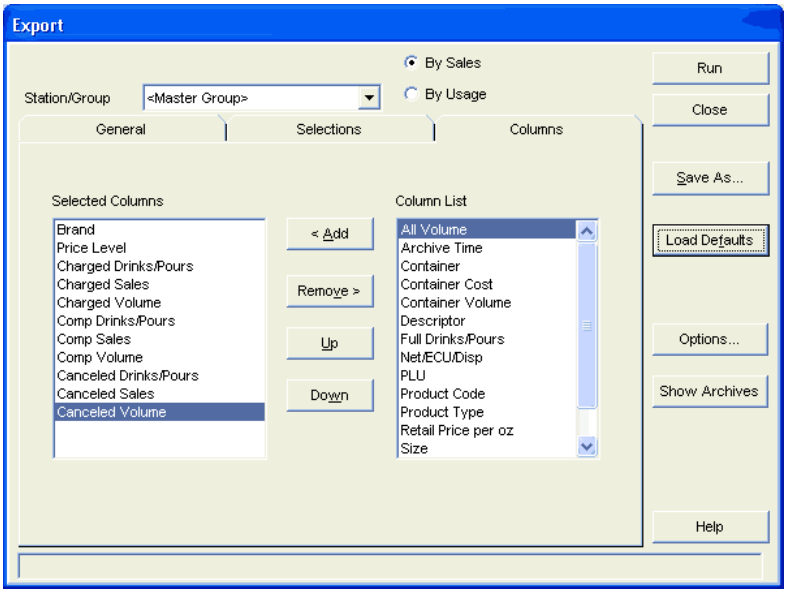
- Click **Options...** to specify the Export Format, Export Character, Comment Character or include Column Headers in the file. See *Set Export Options* in this section.



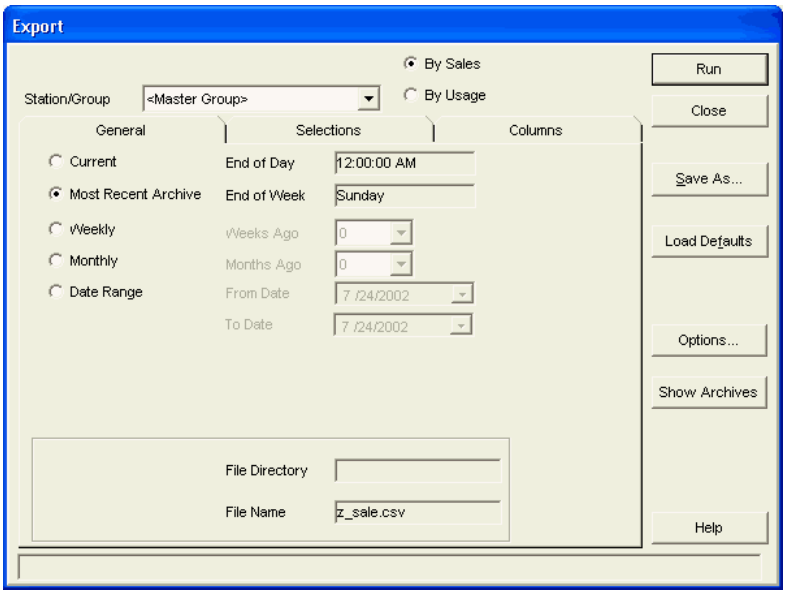
The **Selections** tab specifies types of data to include in the report. You can choose to see data for a specific **Product Type**.

Columns

- Column items vary depending on whether you've selected **Sales** or **Usage** as the type of report. For a description of each column item, see *Create a Column Selection Report* in this section.
- Note that all report columns are not available as export columns.



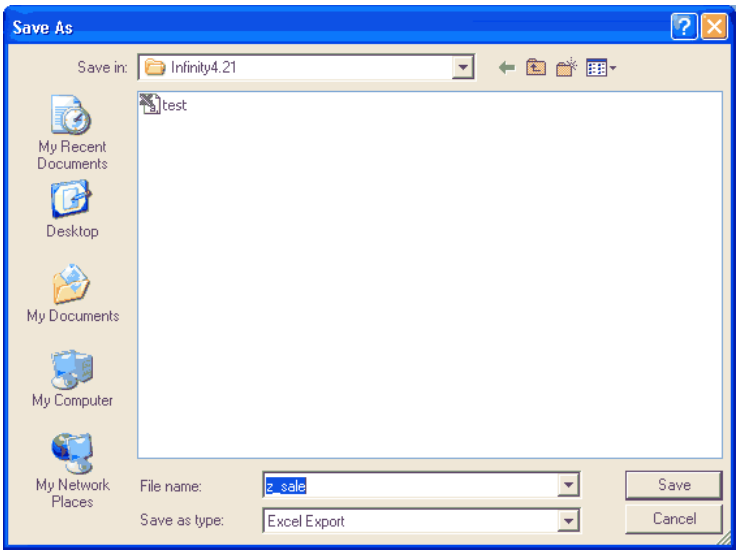
The **Columns** tab specifies which columns of data appear in the export file. Select an item from the list on the right and click **Add** or drag the item to the list on the left. The columns appear on the report from left to right in the order they appear in your list. Select an item and use the **Up** and **Down** buttons or drag and drop items to correctly order them. (continued on next page)



7. To export using the **File Name** shown, click **Run**.

   OR

   To change the **File Name**, click **Save As...**.



   Select the directory or folder to **Save in**. Type a **File name** for the file and select the file **Type**. Click **Save**.

   Wait while the export file is created. The time it takes to create the file is determined by the amount of sales activity, the number of ECUs in the station or group and whether you're exporting current or archive data. Never turn off or restart your computer while the file is being created or sales data may be lost.

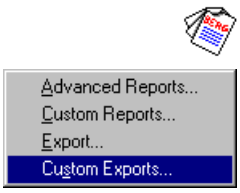
9. Click **Close** to exit the **Export** screen.

Variable File Names

If you don't want an export file to replace an earlier one with the same name, you should give each export file you create a unique name. You can use a variable string as a file name. See Variable File Names in *Create a Custom Export* in this section.

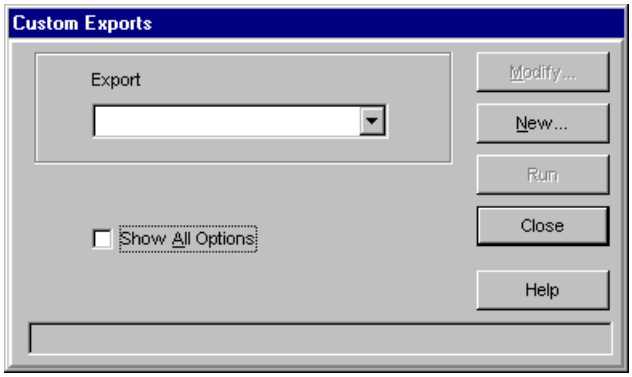
Create a Custom Export

A custom export gives you the chance to specify your own export parameters and save them with a unique name. You can then include the custom export in a schedule. You must enable the Enterprise edition to create a custom export.

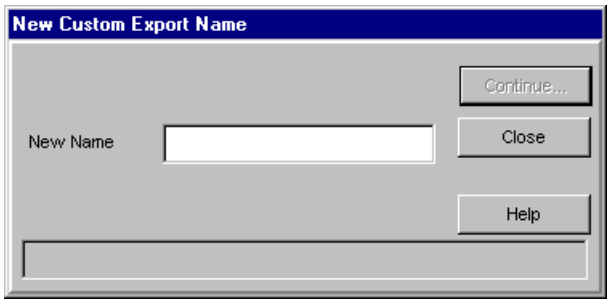


To create a custom export:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Custom Exports...**.



3. Click **New...**.



4. Type the **New Name** of your custom export. It can be up to 19 characters.
5. Click **Continue...**.
6. Follow steps 3-6 outlined in *Export Report Data* in this section to select what you want in your export file.

(continued on next page)

7. To give the custom export file a new name click **Save As...**.

Copy

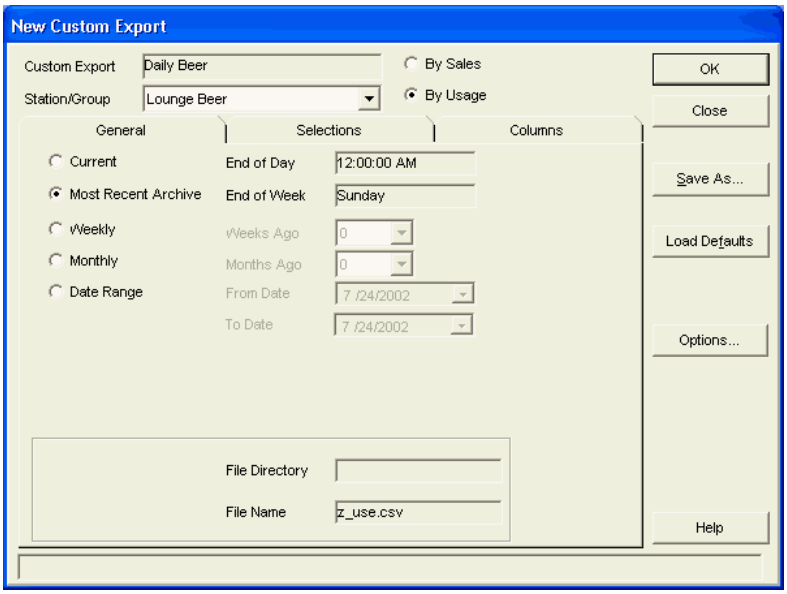
- To save time creating similar custom exports, you can copy any existing custom export and rename it.

  This gives you a starting point for the new export and leaves the existing one intact.
- Select the existing custom export. Check **Show All Options** and click **Copy...**.
- Type a name for the new export.

  The existing export is copied and given the new name.
- You can now select the new export, click **Modify...** and make any further changes.

Options

- Click **Options...** to specify the Export Format, Export Character, Comment Character or include Column Headers in the file. See *Set Export Options* in this section.

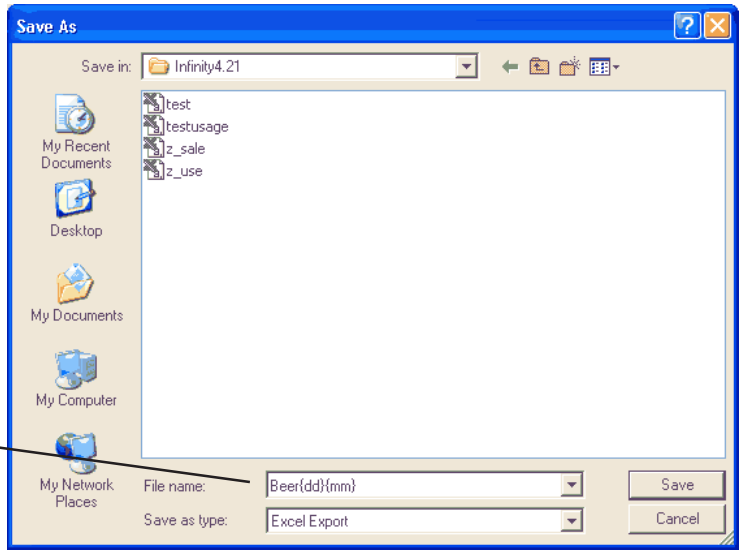


Select the directory or folder to **Save in**. Type a **File name**

Variable File Names

If you don't want an export file to replace an earlier one with the same name, you should give each export file you create a unique name.

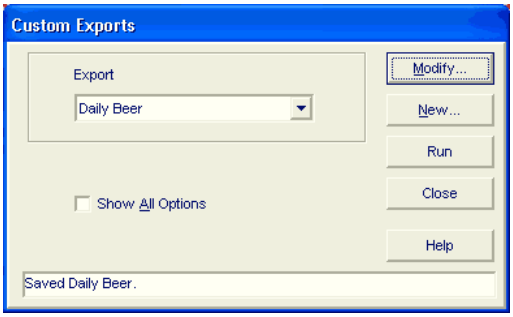
You can use a variable string as a file name. See *Variable File Names* at the end of this task.



for the file (up to 19 characters) and select the file **Type**. Click **Save**.

8. To save the custom export you've created click **OK**.

9. To run the custom export click **Run** on the **Custom Exports**



screen.

Wait while the export file is created. The time it takes is determined by your sales activity, the size of the station or group and whether you're exporting current or archive data. Never turn off or restart your computer while the file is being created or sales data may be lost.

10. Click **Close** to exit the **Custom Export** screen.

Variable File Names

You can use the following strings to substitute for the export file name. Note that these substitutions are for the date the export is run, not the date(s) of the archives being exported.

{dd} - day of the month, e.g., 13

{ddd} - day of the week, short format, e.g., Tue

{dddd} - day of the week, full name, e.g., Tuesday

{mm} - two digit month number, e.g., 10 (for October)

{mmm} - name of the month short format, e.g., Oct

{mmmm} - name of the month, full name, e.g., October

{y} - day of the year, e.g., 355 for Dec.21

{yy} - two digit year, e.g., 00

{yyyy} - four digit year, e.g., 2000

{#} - first number to make the file name unique

If brackets do not match up or do not contain the strings above, they are left intact (as part of the file name).

Examples:

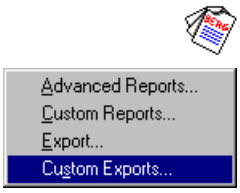
exp{ddd}.txt = exptue.txt

{dd}{mmm}{yy}.txt = 13oct02.txt

{dd{xxx}.txt = {dd{xxx}.txt (brackets don't match up)

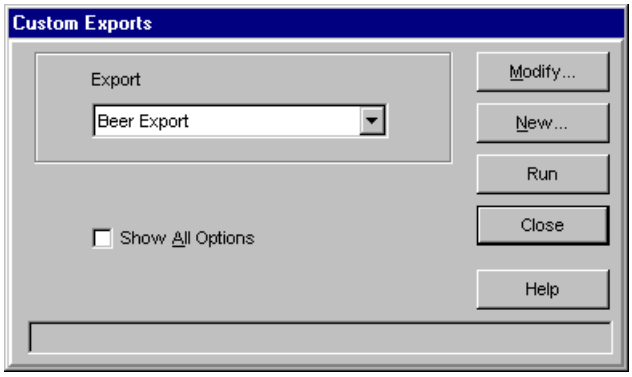
Modify a Custom Export

You can make changes to any custom export you've created. If you want to change the name of a custom report, see *Rename a Custom Export* in this section.



To modify a custom export:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Custom Exports...**.



3. Select the **Export** you want to modify.
3. Click **Modify...**.
4. Make any modifications to the custom export.

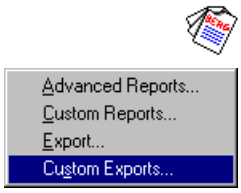
   Follow steps 3-6 outlined in *Export Report Data* if you need help selecting what you want in your export file.

   See *Create a Custom Export* for help changing the export file name.

5. Click **OK**.
6. Click **Close** to exit the **Custom Exports** screen.

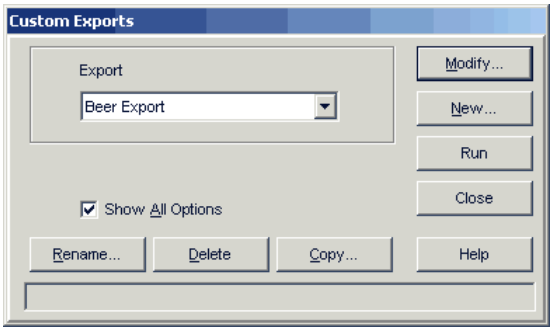
Rename a Custom Export

If you've already created a custom export and you want to change only its name, use this procedure. If you want to change the options you've set for a custom export, see *Modify a Custom Export* in this section.



To rename a custom export:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Custom Exports...**.
3. Select the name of the **Export** you want to rename.



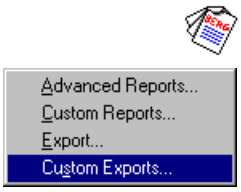
4. Select **Show All Options**.
5. Click **Rename...**.

6. Type the **New Name** of your custom export. It can be up to 19 characters.
7. Click **OK**.

   The export is saved with the new name.
8. Click **Close** to exit the **Custom Exports** screen.

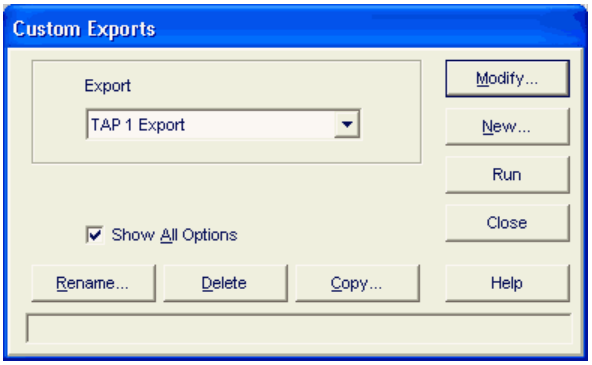
Delete a Custom Export

You can delete any custom exports you have created.

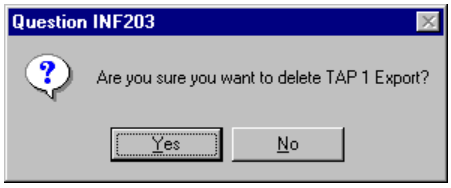


To delete a custom export:

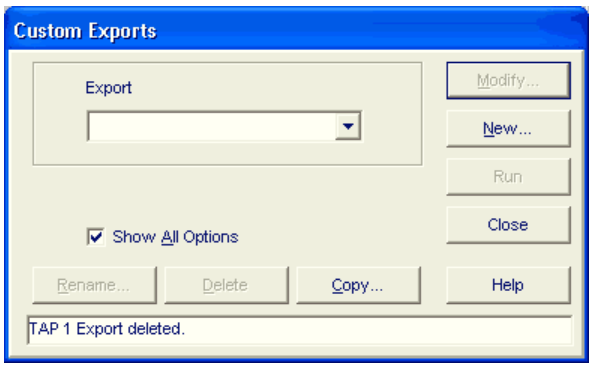
1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Custom Exports...**.
3. Select the name of the **Export** you want to delete.
4. Select **Show All Options**.



5. Click **Delete**.



6. Click **Yes** to confirm the deletion.



The export is deleted from the list.

7. Click **Close** to exit the **Custom Exports** screen.

SECTION 16 Reconciliation and Variance Reports

The sales data generated by **Infinity** can be used to ring up drinks at a sales terminal using Berg's **Interface** program. This ensures zero variance between **Infinity's** data and that of the sales terminal. However, if you're not using **Interface**, you can check for variances between **Infinity's** sales data and the sales data from a sales terminal using either the Variance or Reconciliation report.

- The Variance report starts with **Infinity's** sales totals for each product and compares them with the sales collected at the sales terminal for each **Infinity** product (including cocktails). You enter the sales terminal's collected sales for each **Infinity** product when you run the report. The report lists **Infinity** products and shows the sales comparisons, any variance, and the percent of variance.
- The Reconciliation report starts with PLU information (exported from a sales terminal) and compares that data with **Infinity's** data using either volume amounts or sales amounts. The report lists **Infinity** brands (no cocktails), shows any difference in the sales terminal's sales or implied volume and **Infinity's** sales or monitored volume and computes any variance. This report requires previous setup tasks (entering PLUs, entering a price per unit, defining a sales terminal data file), but does not require input when you run the report. It can also be included in a schedule.

This section provides help with the following tasks:

Run a Variance Report 16-2

Before You Run a Reconciliation Report 16-4

About PLU Recipes 16-6

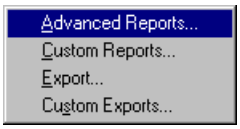
Create and Assign a PLU Recipe 16-8

Sales Terminal Data File 16-10

Run a Reconciliation Report 16-12

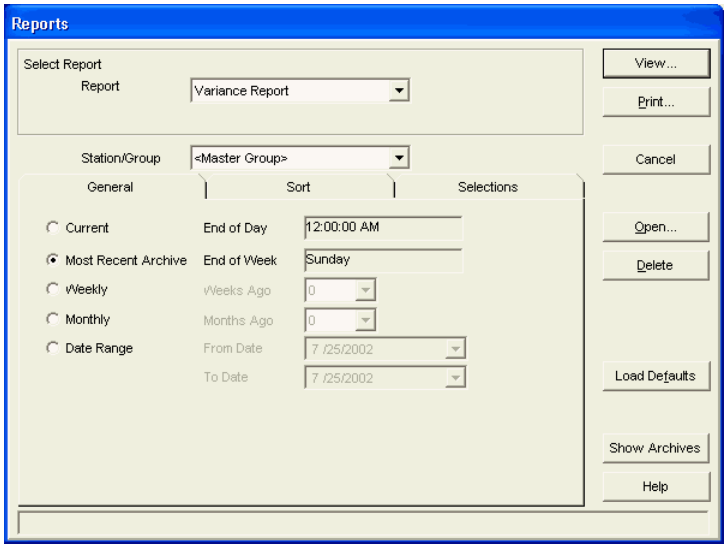
Run a Variance Report

To run this report you must enter the sales collected at the sales terminal for each brand in the report. The software then calculates the difference between the sales recorded at the ECU and the sales recorded at the sales terminal. Any difference in the two amounts is shown and also figured as a percentage. See *Variance Report* in the *Sample Reports* section for a complete description of this report.



To run a Variance report:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Advanced Reports...**.



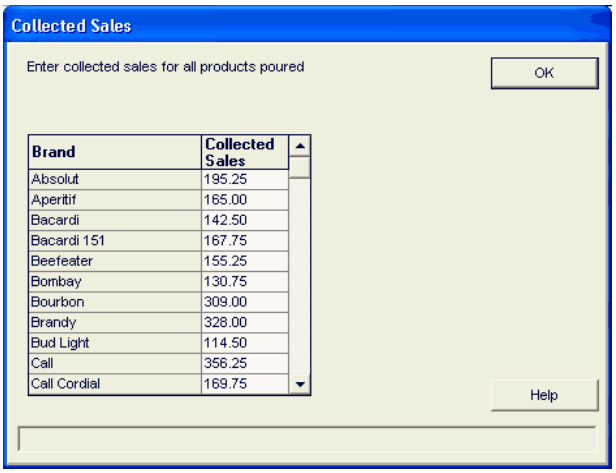
3. Select **Variance Report**.
4. Select the **Station/Group** for which you want to run the report.
5. Click **Show Archives** to see a list of archive dates.
7. Select options on the **General** tab to change options for this report only.
8. Click **View** to run the report and view it on the screen OR Click **Print** to run the report and send it to the printer without viewing.

   Wait while the report is run. The time it takes to run the report is determined by the amount of sales activity and the number of ECUs in the station or group. Never turn off or restart your computer while the report is running or sales data may be lost.

See *Set Report Options* in the *Reports* section for a description of all options. If you don't change any options, the default report options set up for your system are used to run the report.

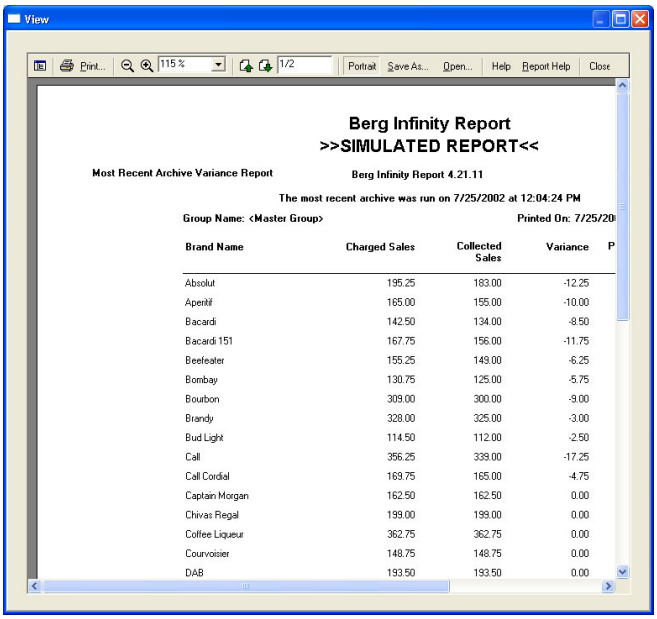
If you want to load your system defaults on all tabs click **Load Defaults**. Some options are not available for all reports.

Date Range (when set in the **Reports** screen) reports on archive data from a specified date to a specified date.



9. Type the **Collected sales** for each product assigned to dispensers in the station or group. "Collected sales" means the actual money taken in for the product as shown on a sales terminal report.

10. Click **OK**.



11. If you view the report on the screen click **Print** if you want to print a copy. Click **Close** to exit the **View** screen.

12. Click **Close** to exit the **Reports** screen.

Navigate the report using:

Scroll bars (bottom and right of the report)

Zoom In and **Zoom Out** icons on the tool bar

Previous Page and **Next Page** icons on the tool bar (if the report has multiple pages)

Table of Contents icon on the tool bar (if the report has multiple pages)

Change the orientation of the report on the page using the **Portrait/Landscape** button.

You can maximize the screen by double-clicking the title bar.

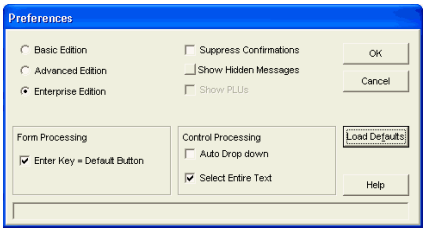
- If you try to close the **View** screen without printing or saving the report, a prompt gives you a chance to cancel so you can save or print the report.
- See *Managing Report Files* in this section for help saving, opening and deleting **Infinity** report files.

Before You Run a Reconciliation Report

The Reconciliation report helps determine if brands are being poured and not accounted for at the sales terminal. The report starts with PLU information (obtained from the sales terminal) and compares that data with **Infinity's** data using either volume amounts or sales amounts. Once you perform one-time setup tasks, you can run the Reconciliation report as you would any other report. You must determine how you will get a data file from the sales terminal (exporting or some other means) and define the data file's layout for **Infinity**. You need to enter PLUs in **Infinity** for all brands and cocktails and you may need to create PLU "recipes". You also need to enter a price per unit for each of your brands. After setup, you can run the Reconciliation report any time or include it in a Schedule.

■ Before you run a Reconciliation report:

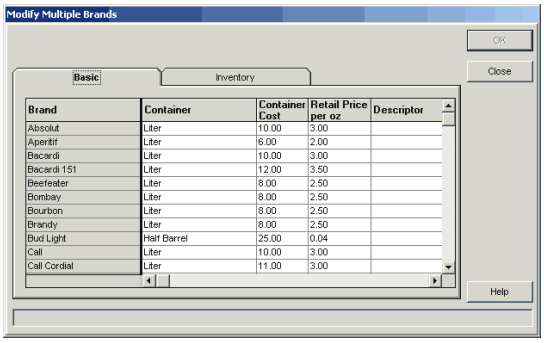
1. Make sure you've enabled the **Advanced** or **Enterprise** edition. See *Enter Software Preferences* in the *Software Basics* section.



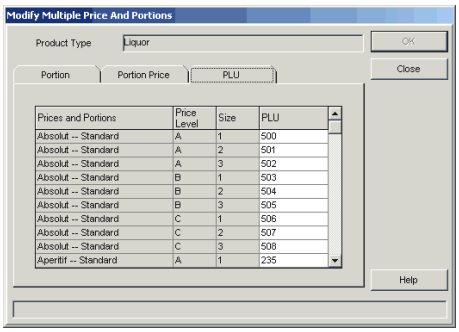
Retail Price

- Enter the retail price per unit as accurately as you can since the Reconciliation report uses this number to compute the retail value lost.
- If your prices and portions for a specific brand do not have the same unit price (e.g., 8 oz sells for $2 or .25 per oz while 12 oz sells for $3.50 or .29 per oz) enter an average price per unit (e.g., .27).

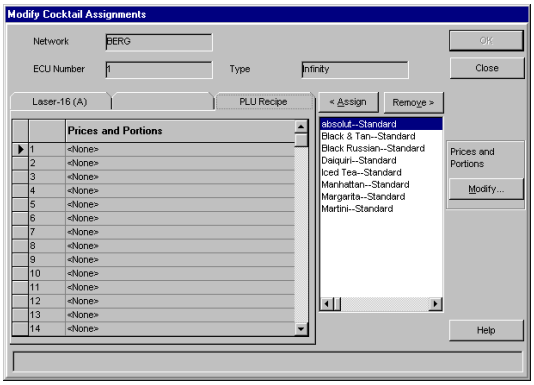
2. Enter a **Retail Price per unit** for each of your brands. This is the retail price the customers pay. See *Modify Existing Brand(s)* in the *Brands, Cocktails, Prices and Portions* section.



3. Enter **PLUs** for all your prices and portions. See *Assign PLUs to Brands and Cocktails* in the *Advanced Brand Operations* section.



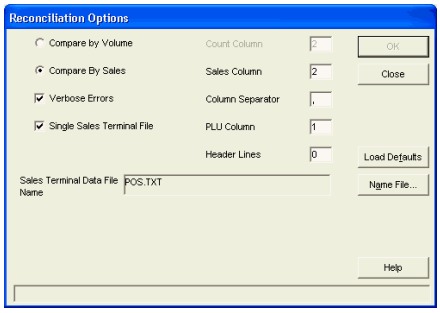
4. If necessary, create **PLU Recipes** on the ECU's "PLU Recipe" tab for the sole purpose of determining volume on the Reconciliation report. See *About PLU Recipes* and *Create and Assign a PLU Recipe* in this section.



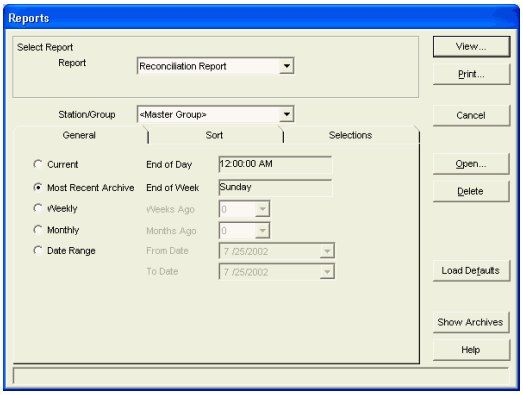
Sales Terminal File

- You may be able to use an export function in the POS software to generate a file. Or the sales terminal vendor can show you how to create a file.
- The sales terminal data file must be an ASCII text file.
- The file must list either a sales amount for each PLU or a count for each PLU. It can also contain other information (which will be ignored by **Infinity**).

5. Learn the layout of the data file generated by the sales terminal. Establish where **Infinity** will find the file. Enter these Reconciliation Options in **Infinity**. See *Sales Terminal Data File* in this section.



6. Run the report or include the report in a schedule. See *Run a Reconciliation Report* in this section or *Define Schedule Actions* in the *Schedules* section.



About PLU Recipes

Review these topics if you have questions about PLU recipes.

What is a PLU Recipe?

A PLU “recipe” defines the PLU of a product recognized by the sales terminal and translates it into brands and portions understood by **Infinity**. **Infinity** doesn’t use a PLU recipe to pour the product. A PLU recipe’s sole purpose is to compute volume or sales on a Reconciliation report. PLU recipes are never sent to the ECUs.

Why do I need a PLU Recipe?

You only need to create PLU recipes if:

- you want to run a Reconciliation report AND
- your sales terminal uses PLUs you can't define in **Infinity** without a PLU recipe.

  Shared PLUs: Infinity may use the same PLU for multiple sales terminal PLUs. For example, if you've assigned names such as "Well", "Call", "Premium", etc. to your All-Bottle codes in **Infinity**, each Well drink (of the same size and price level) has the same PLU in **Infinity**. However, your sales terminal may use separate PLUs for each brand of All-Bottle Well liquor. You need to create a different PLU recipe for each Well brand that defines the PLU used for that brand by the sales terminal and specifies "Well" as the ingredient.

Cross-Cocktails

Cross-cocktails combine ingredients from All-Bottle-7 and Laser dispensers. All brands for a cross-cocktail must appear on the same ECU.

TAP 1 cocktails, All-Bottle cocktails and cross-cocktails: These are multiple ingredient drinks that cannot be defined or poured as such by Infinity. For example, you may have a PLU for a "Black & Tan" beer cocktail at the sales terminal (two beers poured in a single glass), but you can't define beer cocktails in **Infinity**. So you create a PLU recipe in **Infinity** for "Black & Tan" that defines the PLU used by the sales terminal and specifies the portion amounts of the ingredients in the drink. You haven't created a new cocktail for **Infinity** to pour, you've just told **Infinity** which brands (and how much of each) to include in the Reconciliation report.

How do I create a PLU Recipe?

You create a PLU recipe the same way you create a cocktail recipe. You then list the recipe on a PLU Recipe tab for the ECU. For step-by-step instructions, see *Create and Assign a PLU Recipe* in this section.

What is the difference between a PLU Recipe and a Cocktail Recipe?

A cocktail recipe is sent to the ECU and used to pour cocktails. PLU recipes are **never** sent to the ECU and are never used to pour drinks. Cocktail recipe names appear on system reports. PLU recipe names never appear on Infinity reports.

How many PLU recipes can I assign to an ECU?

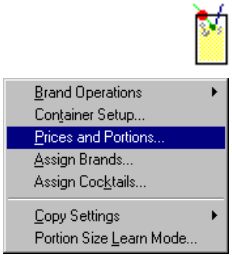
The default number of PLU recipes that can be assigned to an ECU is 50. If you assign 50, the number available becomes 100 (for all ECUs). The number continues to increase as you need it depending on your system's capacity to process and store the recipes.

How is a PLU Recipe used?

- When you run a Reconciliation report, **Infinity** uses the PLU recipes you've entered to compare the volume rung at the sales terminal with the volume monitored by **Infinity**.
- If you use the Compare by Sales method, the volume monitored by **Infinity** is multiplied by the Retail Price per Unit.
- The difference between the volume or sales rung at the sales terminal and the volume or sales computed by **Infinity** is shown on the report.
- The names of Infinity brands are shown on the report. The names of any PLU recipes you've created do not appear in the report, but the volume of the brands poured in those PLU recipes will be included in the total volume listed for the brands.

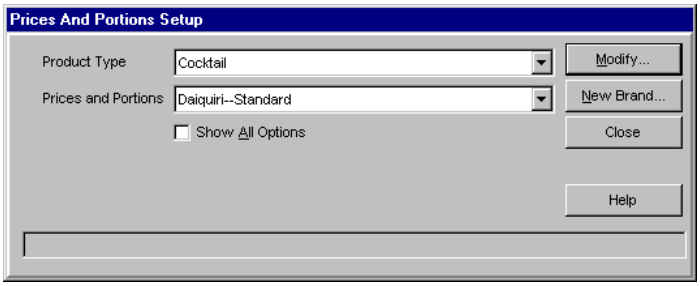
Create and Assign a PLU Recipe

PLU recipes are similar to cocktail recipes; you create them the same way and then list them on a PLU Recipe assignment tab for each ECU. However, PLU recipes are not sent to the ECU. The recipe is only used to determine the total volume of the recipe's ingredients on a Reconciliation report. See also *Before You Run a Reconciliation Report* and *About PLU Recipes* in this section.

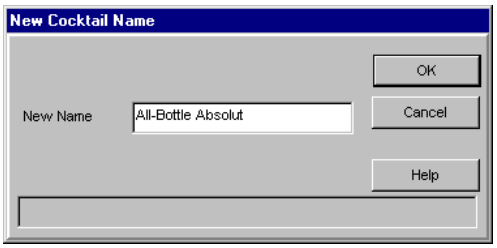


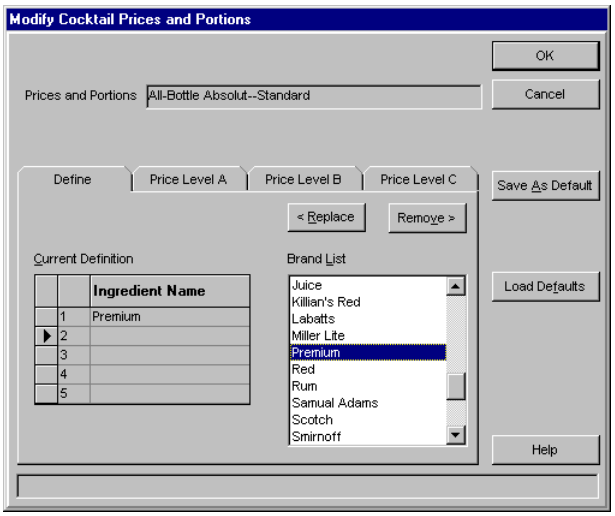
To create and assign a PLU recipe:

1. Run **Manager**.
2. Pull down the **Pouring** menu and click **Prices and Portions...**.

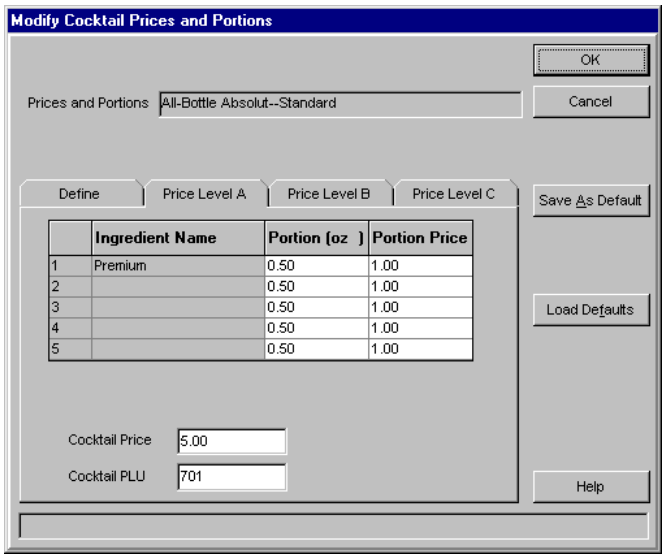


3. Select **Cocktail** as the **Product Type** and click **New Brand...**.





4. Type in the name of your PLU recipe and click **OK**.
5. Click **Modify...**.
6. On the **Define** tab, select a brand in the **Brand List** that is an ingredient in the PLU recipe and click **<Replace** (or drag and drop the brand to the list).
7. Repeat step 6 for the remaining brands in the PLU recipe.
8. Click a **Price Level** tab. Perform steps 9-10 for each tab.



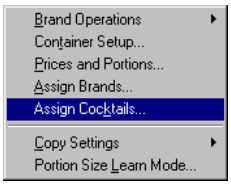
9. Type the correct **Portion** for each **Ingredient Name**.

   You must enter a **Portion** size so the Reconciliation report can determine the correct volume for each brand.

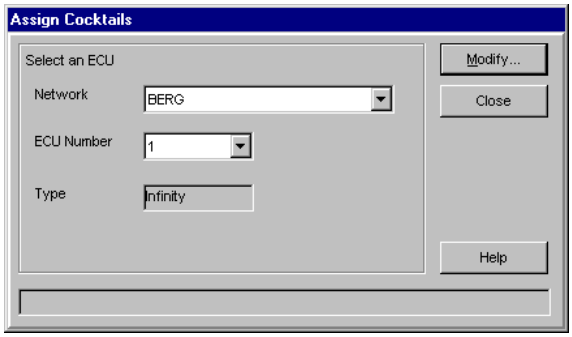
   Ingredient **Prices** and **Cocktail Prices** are optional entries and are not currently used by the Reconciliation report.

10. Type the correct **PLU** for the displayed price level. (Get the correct PLU from the sales terminal.)

11. Click **OK** to save your entries on all tabs. Repeat steps 4-10 for each PLU recipe. Click **Close** to exit the **Prices and Portions Setup** screen.

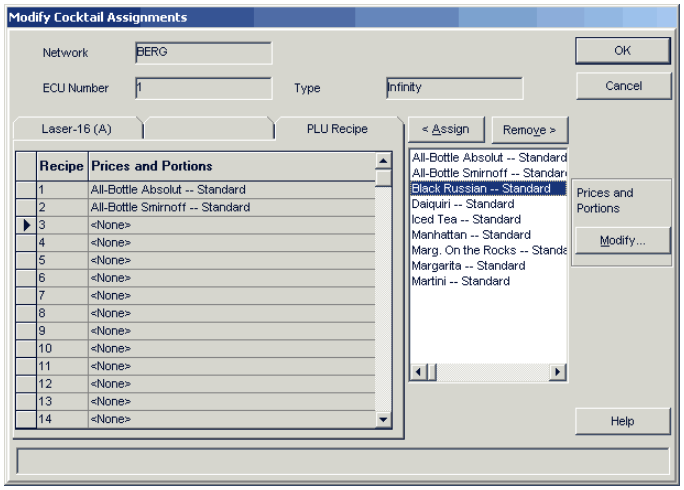


12. Pull down the **Pouring** menu and click **Assign Cocktails...**.



13. Select a **Network** and **ECU Number** and click **Modify...**.

14. Click the **PLU Recipe** tab.



15. Select a PLU recipe you pour at this ECU.

16. Click **<Assign** (or drag and drop the selected recipe in place). (The numbers on the **Prices & Portions** list do not correspond to any dispensers.)

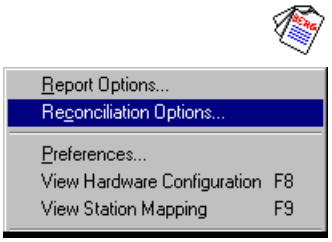
17. Repeat steps 15-16 for each PLU recipe at this ECU.

18. Click **OK** to save all cocktail and PLU recipes.

19. Repeat steps 12-18 for each ECU.

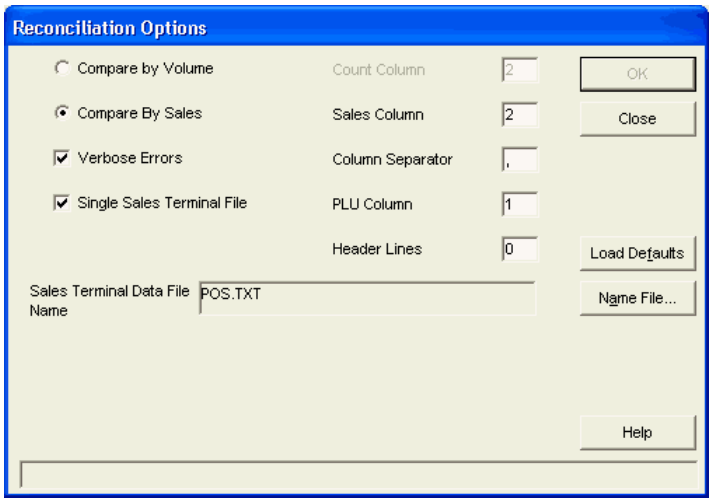
Sales Terminal Data File

To run an **Infinity** Reconciliation report, you must first figure out how to generate a sales data file at the sales terminal (see the *Sales Terminal File* sidebar). Then look at a sales data file you've generated and determine which columns in the file list the PLU, the count or sales. Decide how you'll get the file to the computer and where it will be saved. Then enter these parameters in Reconciliation Options so **Infinity** can find and use the file.

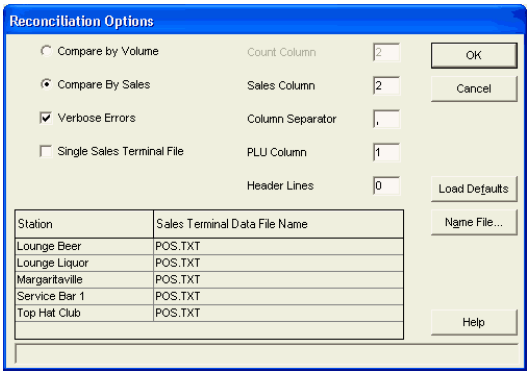


■ To enter Reconciliation options:

1. Run **Report**.
2. Pull down the **Options** menu. Click **Reconciliation Options...**.



3. Select **Compare by Volume** or **Compare by Sales**.
4. Check **Verbose Errors** to see all PLU discrepancies listed on the Reconciliation report. Discrepancies may include duplicate PLUs in **Infinity**, unrecognized PLUs from the sales terminal, etc. (There may be expected unknown PLUs from the sales terminal such as those for food orders.)
5. Check **Single Sales Terminal File** if one file contains data for all your ECUs. Uncheck to list multiple sales terminal data files.



Compare by Volume

- The PLU count (from the sales terminal data file) is multiplied by the volume units associated with that PLU in **Infinity** (small portion, large portion, PLU recipe, etc.). This gives an implied volume of the drinks rung up at the sales terminal. The implied volume is then compared with the volume recorded by the ECU.

Compare by Sales

- **Infinity** gets a sales amount for each brand from the sales terminal data file. This amount is compared with the sales computed by **Infinity**. For PLU recipes, the implied volume described above is multiplied by the Retail Price per Unit.

Sales Terminal File

- You may be able to use an export function in the POS software to generate a file. Or the sales terminal vendor can show you how to create a file.
- The sales terminal data file must be an ASCII text file.
- The file must list either a sales amount for each PLU or a count for each PLU. It can also contain other information (which will be ignored by **Infinity**).

6. Type the **Count Column** number if you're comparing by volume. This identifies which column in the file lists a count for each PLU. The default is 2.
7. Type the **Sales Column** number if you're comparing by sales. This identifies which column in the file lists a sales amount for each PLU. The default is 3.
8. Type in the **Column Separator**. This is a character used to separate columns of information in the sales terminal data file. The default is a comma (,).
9. Type the **PLU Column** number. This identifies which column in the file lists the PLUs. The default is 1.
10. Type the **Header Lines** number. This is the number of header/comment lines at the beginning of the sales terminal data file. These lines are skipped by **Infinity**.
11. Click **Name File...** to specify the folder and name of the data file. You can list a variable name using curly brackets (see below).
12. Click **OK** to save all your entries. Unless something changes, you only need to set up these options once.

Variable File Names

You can use the following strings to substitute for the sales terminal data file name. These strings are not used by the sales terminal to generate the file. They are used by **Infinity** to search for a sales terminal data file name that matches the date the Reconciliation report is run.

{dd} - day of the month, e.g., 13

{ddd} - day of the week, short format, e.g., Tue

{dddd} - day of the week, full name, e.g., Tuesday

{mm} - two digit month number, e.g., 10

{mmm} - name of the month short format, e.g., Oct

{mmmm} - name of the month, full name, e.g., October

{y} - day of the year, e.g., 355

{yy} - two digit year, e.g., 00

{yyyy} - four digit year, e.g., 2000

{#} - match the highest number in an existing file

If brackets do not match up or do not contain the strings above, they are left intact (as part of the file name).

Examples:

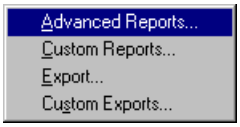
rec{ddd}.txt = rectue.txt (if Reconciliation is done on Tuesday

{dd}{mmm}{yy}.txt = 13oct00.txt

{dd{xxx}.txt = {dd{xxx}.txt (brackets don't match up)

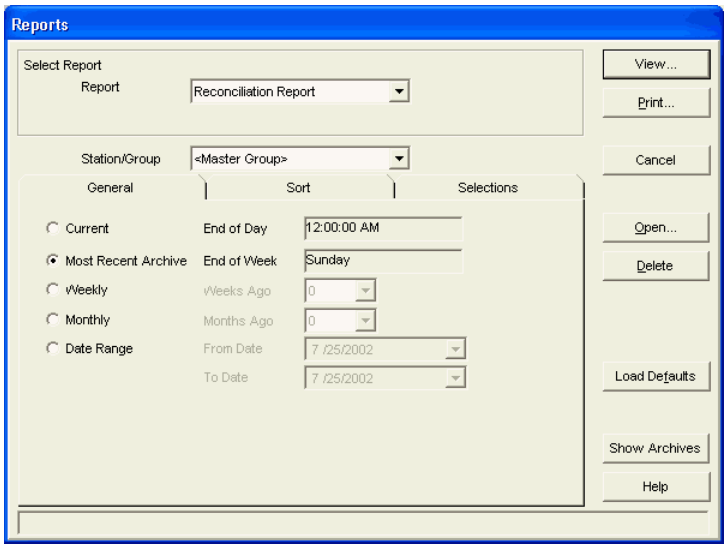
Run a Reconciliation Report

To run this report you must perform required set up tasks in **Infinity**. (See *Before You Run a Reconciliation Report* in this section.) Each time you run a Reconciliation report, a current sales terminal data file must be present at the computer and available for **Infinity** . Once you're ready, you can run the report the same way you run any other advanced report. See *Reconciliation Report* in the *Sample Reports* section for a complete description of this report.



■ To run a Reconciliation report:

1. Run **Report**.
2. Pull down the **Advanced Reporting** menu. Click **Advanced Reports...**.



3. Select **Reconciliation Report**.
4. Select the **Station/Group**.
5. Select the dates of the data used in the report. See *Set Report Options* in the *Reports* section for a description of all options.
6. Click **View** to run the report and view it on the screen OR Click **Print** to run the report and send it to the printer without viewing.

   Wait while the report is run. The time it takes to run the report is determined by the amount of sales activity and the number of ECUs in the station or group. Never turn off or restart your computer while the report is running or sales data may be lost.

Navigate the report using:

Scroll bars (bottom and right of the report)

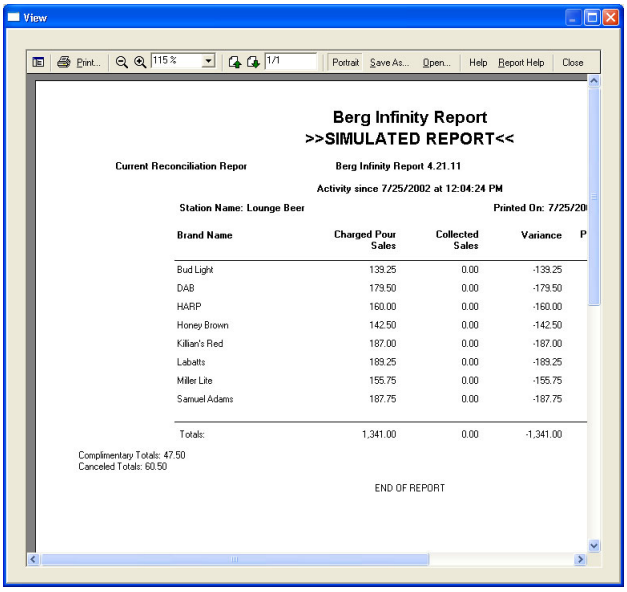
Zoom In and **Zoom Out** icons on the tool bar

Previous Page and **Next Page** icons on the tool bar (if the report has multiple pages)

Table of Contents icon on the tool bar (if the report has multiple pages)

Change the orientation of the report on the page using the **Portrait/Landscape** button.

You can maximize the screen by double-clicking the title bar.



- If you try to close the **View** screen without printing or saving the report, a prompt gives you a chance to cancel so you can save or print the report.
- See *Managing Report Files* in this section for help saving, opening and deleting **Infinity** report files.

7. If you view the report on the screen click **Print** if you want to print a copy. Click **Close** to exit the **View** screen.

8. Click **Close** to exit the **Reports** screen.

Note

❑ If you run the Reconciliation report on a schedule, you may also need to schedule the export of the sales terminal data file on the sales terminal side. (The export of the sales terminal file should precede the scheduled Reconciliation report.)

SECTION

17 Sample Reports

This section provides an example of each report **Infinity** offers. For help with running a report see the *Reports* section.

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Sales by Price Levels (X2) Report 17-8
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Glossary of Report Terms

The following terms are used throughout **Infinity** reports. Check these definitions if you have questions about how the terms are used.

General Terms

Cancel An item that is not completed and not charged (using the TAP 1 cancel button).

Charged An accountable item. This is the normal pouring mode and does not include comps or cancels. Exception: If you've set Charge Cancels for a TAP 1 ECU, **Charged** includes any canceled drinks.

Comp Complimentary drinks poured in comp mode or using the comp button.

Drink A shot or cocktail. Shots used in cocktails but not defined in an **Infinity** cocktail recipe are identified as individual drinks. Ingredients in a cocktail recipe are not listed as individual drinks.

Pour The number of times poured. Includes shots and **Infinity**-defined cocktail ingredients. Includes comps but not cancels.

Sales A money amount, calculated using drink pricing.

Total Never used in a column heading. Shows total values in a column.

Report Column Headings

Archive Num(ber) Archive or Z number

Brand Name **Infinity**-defined brand names.

Cal/Meter The cal value or meter count.

Cancel Pour Sales The full sales value of any canceled pours. (Calculated using drink prices.)

Cancel Volume The number of volume units of canceled drinks.

Canceled Drinks Drinks not completed and not charged.

Canceled Pours Pours not completed and not charged.

Canceled Sales The full sales value of any canceled drinks. (Calculated using drink prices.)

Category Name The name of a price/ portion category.

Charged Drinks Shots or **Infinity**-defined cocktails. Does not include comps or cancels.

Charged + Comp. Drinks The combination of charged drinks and comp drinks.

Charged Pour Sales The sales of pours. (Calculated using drink prices and cocktail ingredient prices you entered in **Manager**.) Only includes charged pours, not comps or cancels.

Charged Pour Sales/Pour Volume Charged Pour sales divided by pour volume.

Charged Pour Volume Volume amount-- does not include comps or cancels, but does include cocktail ingredients.

Charged Pours The number of times poured as a charged pour. Includes shots and **Infinity**-defined cocktail ingredients.

Charged Sales The sales of drinks (shots and **Infinity**-defined cocktails). Calculated using drink prices you entered in **Manager**. Does not include comps or cancels.

Charged Sales/Drink Volume Charged sales divided by drink volume.

Charged Volume Volume amount--does not include comps, cancels or cocktail ingredients.

Cocktail Sales The sales of **Infinity**-defined cocktails. (Calculated using cocktail prices.)

Cocktails **Infinity**-defined cocktails

Collected Sales The sales record at the sales terminal as entered by the user.

Collected Volume A volume amount derived from the pour count in the sales terminal data file and the portion size entered in **Infinity**.

Comp Drinks Shots or **Infinity**-defined cocktails poured using the comp button. Not charged.

Comp Pours The number of times poured as a comp pour. Includes shots and **Infinity**-defined cocktail ingredients.

Comp Pour Sales The sales value of comp pours. (Calculated using drink prices and cocktail ingredient prices.)

Comp Sales The sales value of comp drinks (shots and **Infinity**-defined cocktails). (Calculated using drink prices.)

Comp Volume The number of volume units for comp drinks.

Container(s) The container name.

Count The number of containers.

Delay/Timer The delay or timer value.

Drink Volume Volume units poured for a brand, not including pours as cocktail ingredients.

Full Pours The number of times poured. Includes shots and **Infinity**-defined cocktail ingredients. Includes comps but not cancels.

Ingredient Name The brand name of a cocktail ingredient.

Lost Retail Value The implied sales value of the variance.

Pct Collected Volume The percentage of the charged pour volume that was rung at the sales terminal.

Pct Collected Sales Collected sales divided by charged sales.

Pct of Total Volume This brand's volume compared to entire report volume.

Pct. Total Sales This station or this hour's sales compared to the total report.

Pour Value The volume units poured multiplied by the volume unit price.

Pour Volume The number of volume units poured. Includes **Infinity**-defined cocktail ingredients, comp pours and canceled pours.

Portion/Ptn The portion size entered in **Manager**.

PPC Potential pouring cost. Calculated by multiplying cost per volume unit by volume by 100 and dividing the product by sales.

Price Level/Prc Lvl The price level name.

Ptn Price The portion price entered in **Manager**.

Size The number of this portion size.

Variance The difference between charged sales and collected sales or charged volume and collected volume.

Volume Unit Cost The cost (to you) of each volume unit. Derived from the container cost and container size entered when you set up a brand and set up containers.

Volume Unit Price The retail price per unit entered when you set up a brand.

Current Sales Totals/Clear Sales (Z) Report

When you archive and clear sales, **Infinity** generates a Current Sales Totals/Clear Sales report showing data for the selected station or group. (If you run this report on the Master Group, you'll only see combined totals for the entire group.) The sales data is also sent to the computer to be stored in archive records. Only run this report when you want to set all totals at the ECU to zero. For help with running the report see *Archive and Clear Sales (Z)* in the *Reports* section.

Current Sales Totals/ Clear Sales

This report shows the total number of **Charged Drinks** and total **Charged Sales** for the selected station or group as well as the sales percentage that each station contributes to the report. (All the numbers in the **Pct. Total Sales** column should total 100%.)

The report also shows the total number of **Comp Drinks** and **Comp Sales**, as well as **Canceled Drinks** and **Canceled Sales**. These complimentary and canceled totals are not included in the **Charged Drinks** and **Charged Sales** totals in the first two columns.

Archive Number

Archive Num (formerly Z number) is the number of times a Clear Sales report has been run at the station including this time. If the ECUs in the station have not been cleared the same number of times, the highest number is listed.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

To run this report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

BERG'S GOURMET LOUNGE AND RESTAURANT

Current Sales Totals / Clear Sales **Berg Infinity Report 4.00.21** **Page 1**

Group Name: <Master Group> **Printed On: 03/24/00 At 10:45:09 AM**

Archive Number	Charged Drinks	Charged Sales	Pct. of Total Sales	Comp. Drinks	Comp. Sales	Canceled Drinks	Canceled Sales
Group Name: <Master Group>							
2	2,414	7,879.00	100.00	246	794.75	37	128.50
Totals:	2,414	7,879.00		246	794.75	37	128.50

END OF REPORT

- You may see a message on this report indicating the ECU's Archive Number is different from the PC's archive number.
- This message is normal for every ECU the very first time its sales are cleared (ECU Archive Number = 0, Computer's Archive Number = 1).
- The message may also be due to performing a Restore Memory at the ECU. The first time you clear sales at an ECU after performing a Restore Memory this report will always show 0 as the Archive Number so that it's clear that the ECU has been reset since the last time its sales were cleared.
- If there is a mismatch in the Archive Number, the number in the ECU will be set to match the computer's archive number and eliminate the mismatch message in subsequent Sales Totals/Clear Sales reports.

Sales Totals (X1) Report

The Sales Totals report provides the total sales for the selected station or group. If you select a group other than the Master Group, each station in the group is listed separately. The following is a description of this report. For help with running the report see *Run a Current Sales Report* or *Run an Advanced Report* in the *Reports* section.

Sales Totals

This report shows the total number of **Charged Drinks** and total **Charged Sales** for the selected station or group as well as the sales percentage that each station contributes to the report. (All the numbers in the **Pct. Total Sales** column should total 100%.)

The report also shows the total number of **Comp Drinks** and **Comp Sales**, as well as **Canceled Drinks** and **Canceled Sales**. These complimentary and canceled totals are not included in the **Charged Drinks** and **Charged Sales** totals in the first two columns.

Archive Number

Archive Num (formerly Z number) is the number of times a Clear Sales report has been run at the station. If the ECUs in the station have not been cleared the same number of times, the highest number is listed. If you run this report on current sales data the archive number is not shown.

Archive Time

Archive Time is the last date a Clear Sales report was run at the station. If you run this report on current sales data the archive time is not shown.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report, the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report, the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report, the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Berg Infinity Report
>>SIMULATED REPORT<<

Current Sales Totals (X1) **Berg Infinity Report 4.21.14** **Page 1**

Activity since 9/27/2002 at 4:54:37 PM

Group Name: <Master Group> **Printed On: 10/1/2002 At 8:48:15 AM**

	Charged Drinks	Charged Sales	Pct. Total Sales	Comp. Drinks	Comp. Sales	Canceled Drinks	Canceled Sales
Group Name: <Master Group>							
	3321	11,482.75	100.00	286	1,006.75	48	184.75
Totals:	3321	11,482.75		286	1,006.75	48	184.75

END OF REPORT

Sales By Price Levels (X2) Report

This report shows the total sales for each brand at each price level. The following is a description of this report. For help with running the report see *Run a Current Sales Report* or *Run an Advanced Report* in the *Reports* section.

Current Sales By Price Levels

This report shows the **Charged Drinks**, **Charged Sales** and the **Pour Volume** for each **Brand** at each **Price Level** of the selected station(s). The final column lists the **Charged Pour Sales/Pour Volume**.

The total **Charged Drinks** and **Charged Sales** for the price level are computed along with the total number of **Complimentary** and **Canceled** drinks and the total sales value of the comp and cancel drinks per price level. (These complimentary and canceled totals are not included in the **Charged Drinks** and **Charged Sales** totals for the price level.)

The end of the report shows the total **Charged Drinks** and **Charged Sales** for all price levels and the total Complimentary and Canceled drinks for all price levels.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

BERG'S GOURMET LOUNGE AND RESTAURANT

Current Sales By Price Levels (X2) Berg Infinity Report 4.00.21 Page 1

Group Name: <Master Group> Printed On: 03/17/00 At 11:02:59 PM

Brand Name	Charged Drinks	Charged Sales	Pour Volume	Pour Sales / Pour Volume
		Price Level A		
Aperitif	14	37.00	14.50	2.55
Bourbon	20	54.50	50.50	2.33
Bud Light	16	46.00	349.00	0.13
Call	34	96.50	37.50	2.57
Call Cordial	13	33.50	14.50	2.31
Canadian Club	22	62.25	24.00	2.59
Coffee Liqueur	13	38.50	31.75	2.35
Cutty Sark	15	46.25	16.50	2.80
DAB	15	65.00	408.00	0.16
Dewar's	17	49.00	19.50	2.51
Domestic Cordial	36	109.00	39.50	2.76
Gin	17	54.75	75.00	2.18
HARP	18	57.00	403.00	0.14
Honey Brown	15	52.25	450.00	0.12
Imported Cordial	30	82.00	31.00	2.65
Jack Daniels	21	62.00	23.50	2.64
Johnny Walker Red	15	51.00	18.50	2.76
Juice	18	36.00	20.50	1.76
Killian's Red	17	78.75	495.00	0.16
Labatts	14	58.00	316.00	0.18
Miller Lite	19	50.00	472.00	0.11
Premium	32	91.25	31.00	2.94
Red	15	28.50	289.00	0.10
Rum	18	55.75	48.75	2.20
Samuel Adams	17	54.00	431.00	0.13
Scotch	38	106.00	42.00	2.52
Smirnoff	22	61.50	21.00	2.93
Special Cocktail	35	102.25	37.50	2.73
Super Premium	34	92.25	36.00	2.56
Tequila	17	55.50	39.25	2.28
Triple Sec	17	45.75	40.25	2.06
Vodka	20	57.00	60.25	2.07
Well	32	96.00	36.00	2.67
Whiskey	14	45.25	15.50	2.92
White	13	25.00	212.00	0.12
Wild Turkey	15	43.00	14.50	2.97
Black Russian	24	84.00		
Daiquiri	15	52.50		

(This example is page 1 of a multiple page report.)

Detailed Sales (X3) Report

This is the most detailed sales report provided by **Infinity**. In addition to listing sales and volume by brands and price levels, it show sales and volume for each portion size. The following is a description of this report. For help with running the report see *Run a Current Sales Report* or *Run an Advanced Report* in the *Reports* section.

Current Detailed Sales

This report shows the **Charged Drinks**, **Charged Sales** and **Charged Volume** for every portion **Size** of each **Brand Name** at each **Price Level** of the selected station.

Pre-3.0 Infinity ECU

If you're using a pre-3.0 Infinity ECU, the **Charged Volume** is zero for that ECU (although the total is correct).

The total **Charged Drinks** and **Charged Sales** for the **Brand** at each price level are computed along with the total number of **Complimentary** and **Canceled** drinks and the total sales value of these drinks. These complimentary and canceled totals are not included in the **Charged Drinks** and **Charged Sales** totals for the brand. The **Charged Sales/Drink Volume** is given for each brand at each price level.

After each brand's totals are shown at price level A, B, C or D, the totals for all brands at that price level are listed.

The end of the report shows the totals for all price levels.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

To run this report as a **Most Recent Archive** report the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report you must have selected **Detailed Info** when you entered your Data Storage and Display Options. See *Enter Data Storage and Display Options* in the *Configuration Options* section.

TAP 1 Manual Drinks

Any manual pours from a TAP 1 ECU are displayed on this report separately from regular pours and labeled "Manual". Any manual pours are included in the brand subtotal for both **Charged Drinks** and **Sales**. The portion size number and associated price assigned to a manual pour is the portion size closest to the actual volume poured.

BERG'S GOURMET LOUNGE AND RESTAURANT

Current Detailed Sales (X3) **Berg Infinity Report 4.00.21** **Page 1**

Station Name: Lounge Center **Printed On: 03/18/00 At 11:58:11 AM**

Brand Name		Size	Charged Drinks	Charged Sales	Charged Volume
		Price Level A			
Bourbon		1	7	7.00	3.50
		2	8	28.00	8.00
		3	3	12.75	4.50
	Bourbon Subtotal:		18	47.75	16.00
	Complimentary Totals:		2	7.75	2.50
Bourbon	Charged Sales / Drink Volume		2.58		
Bud Light		1	3	5.25	33.00
		2	3	7.50	45.00
		3	4	28.00	212.00
		4	6	0.00	6.00
	Bud Light Subtotal:		16	40.75	296.00
	Complimentary Totals:		2	1.75	12.00
	Canceled Totals:		2	4.25	26.00
Bud Light	Charged Sales / Drink Volume		0.12		
Call		1	7	7.00	3.50
		2	7	24.50	7.00
		3	6	25.50	9.00
	Call Subtotal:		20	57.00	19.50
	Complimentary Totals:		1	4.25	1.50
Call	Charged Sales / Drink Volume		2.71		
Canadian Club		1	7	7.00	3.50
		2	7	24.50	7.00
		3	6	25.50	9.00
	Canadian Club Subtotal:		20	57.00	19.50
	Complimentary Totals:		3	8.75	3.00
Canadian Club	Charged Sales / Drink Volume		2.53		

(This example is page 1 of a multiple page report.)

Hourly Sales (X4) Report

The Hourly Sales report is a summary of sales for the past 48 hours of sales activity at the selected station or group. This report is only run as a current report because it uses data stored in the ECUs (the data is stored separately from sales data used for other reports). The following is a description of this report. For help with running the report see *Run a Current Sales Report* or *Run an Advanced Report* in the *Reports* section.

Hourly Sales

This report shows data for the past 48 hours at the station or group. The type of data reported is determined by your selection in Data Storage and Display Options (see the *Configuration Options* section). The default data is **Charged Drinks** and **Charged Sales** as well as the **Pct. Total Sales** that each hour contributes to the report. (The numbers in the final column should total 100%.). Hours with no sales activity at the station or group are not listed on the report. A 1544 Infinity ECU reports sales for the past 48 hours with any sales activity.

For each hour listed in the report the **Day of Month**, **Starting Hour** and **Ending Hour** are shown.

Shifts

If you defined the hours of your shifts when you selected Report Options, all sales from an entire shift are reported on one line in the report (rather than sales being reported for each hour).

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

To run this report the computer must communicate with the selected ECU(s). The data reported on is determined by which **Clear/Don't Clear** option you selected on the Data Storage and Display Options screen. (**Clear** clears all hourly sales data each time you clear sales. **Don't Clear** leaves hourly sales data intact when you clear sales.) This report can only be run as a **Current** report.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Berg Infinity Report
>>SIMULATED REPORT<<

Group Name: <Master Group> **Printed On: 10/8/2002 At 10:11:56 AM**

Day of Month	Starting Hour	Ending Hour	Charged Drinks	Charged Sales	Pct. Total Sales
08	05 AM	06 AM	25	43.75	14.79
08	06 AM	07 AM	27	47.25	15.98
08	07 AM	08 AM	24	42.00	14.20
08	08 AM	09 AM	39	68.25	23.08
08	09 AM	10 AM	34	59.50	20.12
08	10 AM	11 AM	20	35.00	11.83
Totals:			169	295.75	

END OF REPORT

Sales Summary Report

The Sales Summary report provides a summary of sales for each brand in the selected station or group. The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

Sales Summary

This report shows the number of **Charged Drinks** and **Charged Sales**, the number of **Comp Drinks** and **Comp Sales** and the number of **Canceled Drinks** for every **Price Level** of each **Brand** of the selected station or group.

The end of the report shows the **Charged Drinks** and **Charged Sales** totals for all price levels in addition to the **Comp Drinks**, **Comp Sales** and **Cancel Drinks** totals.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

BERG'S GOURMET LOUNGE AND RESTAURANT

Current Sales Summary **Berg Infinity Report 4.00.21** **Page 1**

Station Name: Lounge Center **Printed On: 03/23/00 At 5:12:39 PM**

Brand Name	Price Level	Charged Drinks	Charged Sales	Comp. Drinks	Comp. Sales	Canceled Drinks
Bourbon	A	18	51.75	3	8.75	0
	B	16	49.25	1	3.50	0
	C	16	45.75	2	6.50	0
Bud Light	A	20	49.25	0	0.00	1
	B	17	38.75	2	1.75	2
	C	17	35.25	3	11.25	2
Call	A	22	62.25	3	8.75	0
	B	16	51.25	1	1.75	0
	C	16	48.75	3	10.00	0
Canadian Club	A	23	65.75	3	8.75	0
	B	19	57.50	1	3.50	0
	C	15	49.50	3	10.00	0
Coffee Liqueur	A	19	52.50	0	0.00	0
	B	17	56.00	1	1.75	0
	C	12	40.00	1	4.75	0
Cutty Sark	A	20	58.50	2	5.25	0
	B	12	38.25	3	10.00	0
	C	22	74.75	1	1.75	0
DAB	A	22	78.50	0	0.00	1
	B	19	81.50	1	0.00	0
	C	16	51.00	1	10.00	1
Dewar's	A	18	54.00	2	4.50	0
	B	16	56.00	0	0.00	0

(This example is page 1 of a multiple page report.)

Usage Report

The Usage report provides a brand summary for the selected station or group in addition to the volume poured and potential pouring cost of each brand. The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

Usage

This report shows the **Full Pours**, **Charged Pour Sales**, **Pour Volume**, and **Container Count** for each **Brand**. It also lists the **Pct. Total Volume** that each brand contributes to the report. If a brand is used in cocktails, the ingredient price you entered for the brand (when defining the cocktail) is multiplied by the number of cocktails poured and added to the **Pour Sales** total for the brand. (See *Add a Cocktail* in the *Brands, Cocktails, Prices and Portions* section.) The container count is calculated using the container size you entered for the brand. (See *Container Setup* in the *Brands, Cocktails, Prices and Portions* section.)

PPC is the owner's potential pouring cost, which is calculated by multiplying the number of containers poured for each brand by the container cost for the brand. The total is then divided by the sales for the brand and multiplied by 100 to determine a percentage. This percentage is potentially the pouring cost for the brand. This figure is only a "potential" pouring cost because **Infinity** has no way of computing losses due to overpouring, spillage, etc. A potential pouring cost is only computed if a container cost has been entered for the brand. (See *Brand List Setup* in the *Brands, Cocktails, Prices and Portions* section.

The end of the report shows the total **Pours**, **Pour Sales**, and **Pour Volume** for all brands in the station or group and the average potential pouring cost (**PPC**) for all brands combined.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

BERG'S GOURMET LOUNGE AND RESTAURANT

Most Recent Archive Usage | Berg Infinity Report 4.00.21 | Page 1

Station Name: Lounge Center | Printed On: 03/23/00 At 5:17:17 PM

Brand Name	Pours	Pour Sales	Pour Volume	Count	Container	Pct. Total Volume	PPC
Bourbon	107	363.50	156.50	6.11	Standard Bottle	1.49	12.50
Bud Light	61	147.00	1,218.00	0.61	Half Barrel	11.63	0.42
Call	54	148.50	53.50	1.58	Liter	0.51	13.68
Canadian Club	60	169.75	59.50	2.32	Standard Bottle	0.57	16.20
Coffee Liqueur	105	217.25	89.25	2.64	Liter	0.85	19.70
Cutty Sark	48	136.25	44.50	1.32	Liter	0.43	14.69
DAB	51	213.75	1,189.00	0.60	Half Barrel	11.36	0.38
Dewar's	48	142.25	45.50	1.35	Liter	0.43	14.39
Domestic Cordial	45	131.75	45.50	1.35	Liter	0.43	6.21
Gin	185	477.75	211.00	6.24	Liter	2.02	9.26
HARP	56	149.75	1,100.00	0.55	Half Barrel	10.51	0.50
Honey Brown	58	160.00	1,322.00	0.67	Half Barrel	12.63	0.56
Imported Cordial	57	167.25	58.50	1.73	Liter	0.56	22.72
Jack Daniels	61	163.00	56.50	1.67	Liter	0.54	12.46
Johnny Walker Red	59	174.75	58.50	1.73	Liter	0.56	12.04
Killian's Red	59	228.25	1,400.00	0.71	Half Barrel	13.37	0.31
Labatts	58	211.25	1,345.00	0.68	Half Barrel	12.85	0.32
Miller Lite	49	117.25	926.00	0.47	Half Barrel	8.85	0.40
Premium	57	176.00	59.50	1.76	Liter	0.57	16.21
Rum	169	329.00	145.50	4.30	Liter	1.39	8.84
Scotch	56	158.00	55.50	1.64	Liter	0.53	7.72
Smirnoff	57	148.00	54.00	1.60	Liter	0.52	13.12
Special Cocktail	58	181.00	60.50	1.79	Liter	0.58	26.05
Super Premium	57	150.25	55.50	1.64	Liter	0.53	36.18
Tequila	181	382.75	180.00	5.32	Liter	1.72	9.40
Triple Sec	241	342.25	171.50	5.07	Liter	1.64	6.00
Vodka	165	317.25	144.25	4.27	Liter	1.38	9.09
Well	51	144.50	54.00	1.60	Liter	0.52	7.47
Whiskey	57	171.75	56.00	1.66	Liter	0.53	6.52
Wild Turkey	50	158.75	53.50	1.58	Liter	0.51	14.14
Totals:	2,420	6,178.75	10,468.50				10.26

Canceled Pours = 32

Canceled Volume = 664.00 oz

Volume is in oz

END OF REPORT

Potential Pouring Cost

- Berg labels this column "potential" pouring cost because only the cost of each unit of liquor sold and the total sales are used to figure the percentage. Losses due to overpouring, spillage, and/or non-recorded cash can all affect your actual pouring cost.

Retail Usage Report

The Retail Usage report provides the "retail value" of the volume poured for each brand in the selected station or group. This report does not show any actual sales data, but a projected value of the volume poured based on a retail price per volume unit. This is especially useful if you're using a TAP 1 ECU in monitor mode (flow meters only). You must enter a unit price for each of your brands if you want the retail value to be computed in this report. See *Brand List Setup* in the *Brands, Cocktails, Prices and Portions* section. The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

Retail Usage

This report shows the **Volume Unit Price**, **Pour Volume** and **Pour Value** for each **Brand**. The pour value is figured by multiplying the pour volume by the retail price per unit. This report does not distinguish types of pours or number of pours. It does not show any actual sales data—only the retail value of the volume poured if the price per unit is collected for each volume unit poured.

The end of the report shows the total **Pour Volume** and the total **Pour Value** for all brands in the station or group.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Berg Infinity Report
>>SIMULATED REPORT<<

The most recent archive was run on 7/25/2002 at 12:04:24 PM

Station Name: Top Hat Club **Printed On: 7/26/2002 At 3:50:36 PM**

Brand Name	Retail Price per oz	Pour Volume	Pour Value
Absolut	3.00	59.00	177.00
Bacardi	3.00	45.00	135.00
Bacardi 151	3.50	51.00	178.50
Beefeater	2.50	48.00	120.00
Bombay	2.50	39.00	97.50
Bourbon	2.50	146.00	365.00
Brandy	2.50	53.00	132.50
Captain Morgan	3.00	49.00	147.00
Chivas Regal	4.00	60.50	242.00
Coffee Liqueur	2.00	92.75	185.50
Courvoisier	3.50	45.00	157.50
Finlandia	2.50	45.50	113.75
Flavored Brandy	1.50	49.00	73.50
Gilbey's Gin	2.00	46.50	93.00
Gin	2.00	192.00	384.00
Grand Marnier	3.50	51.00	178.50
Peach Schnapps	2.00	51.50	103.00
Peppermint Schnapps	2.00	48.00	96.00
Ron Rico	2.50	51.50	128.75
Rum	2.50	128.75	321.88
Rye	2.50	51.00	127.50
Scotch	2.50	45.00	112.50
Skyy	2.50	43.00	107.50
Sloe Gin	2.00	49.50	99.00
Smirnoff	2.50	55.00	137.50
Stolichnaya	3.00	41.00	123.00
Tanqueray	3.00	46.50	139.50
Tequila	2.00	67.50	135.00
Triple Sec	1.50	93.50	140.25
Vermouth	1.50	45.00	67.50
Vodka	2.00	132.25	264.50
Whiskey	2.00	41.50	83.00
Totals:		2,062.75	4,966.63

Volume is in oz

END OF REPORT

Price Level Changes Report

This report shows the date and time of price level changes at the selected station or group. It lists the original and new price level for each change. The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

Price Level Changes

This report shows the **Date**, **Time**, **Old Price Level**, and **New Price Level** for each price level change at each ECU in the selected station or group. The 19 most recent price level changes are listed. If you have a TAP 1 ECU with many partitions, there may be fewer than 19 changes listed. Also if there are several price level changes listed for one partition, there may be fewer changes listed for the other partitions. Price level changes are not cleared when you run an Archive and Clear Sales (Z) report.

Calibration Mode/ Portion Changes

The price level change report also shows all operations which may have affected portions. These changes include calibration, price portion changes and learn mode. Changes across the entire system are shown for the last 14 days.

Switch Category

This report shows the **Date**, **Time**, **Old Category**, and **New Category** for each category switch at each ECU in the selected station or group.

Printed On

The **Time** and **Date** at the top of the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

To run this report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s). This report can only be run as a **Current** report.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Berg Infinity Report
>>SIMULATED REPORT<<

Current Price Level Changes **Berg Infinity Report 4.21.11** **Page 1**

Station Name: Lounge Beer **Printed On: 7/26/2002 At 2:38:54 PM**

Date	Time	Old Price Level	New Price Level
	Lounge Beer - Network BERG ECU 2 Partition 1		
7/26/1902	8:11:19 AM	A	B
7/26/1902	9:24:03 AM	B	C
7/26/1902	10:55:24 AM	C	A
7/26/1902	11:53:42 AM	A	B
7/26/1902	12:54:23 PM	B	C

System Calibration Mode and Portion Changes Activity
7/23/2002 5:00:53 PM Enter Cal Mode for BERG ECU 1
7/23/2002 5:18:18 PM Exit Cal Mode for BERG ECU 1
7/23/2002 5:18:38 PM Enter Cal Mode for BERG ECU 1
7/23/2002 5:19:29 PM Exit Cal Mode for BERG ECU 1
7/23/2002 5:19:41 PM Enter Cal Mode for BERG ECU 1
7/23/2002 5:19:43 PM Exit Cal Mode for BERG ECU 1
7/23/2002 5:19:55 PM Enter Cal Mode for BERG ECU 1
7/23/2002 5:19:57 PM Exit Cal Mode for BERG ECU 1
7/23/2002 5:20:06 PM Enter Cal Mode for BERG ECU 2
7/23/2002 5:20:12 PM Exit Cal Mode for BERG ECU 2
7/23/2002 5:20:25 PM Enter Cal Mode for BERG ECU 2
7/23/2002 5:33:23 PM Exit Cal Mode for BERG ECU 2
7/23/2002 5:34:10 PM Enter Cal Mode for BERG ECU 2
7/23/2002 5:36:35 PM Enter Cal Mode for BERG ECU 2
7/23/2002 5:37:01 PM Exit Cal Mode for BERG ECU 2
7/23/2002 5:37:54 PM Enter Cal Mode for BERG ECU 3
7/23/2002 5:38:13 PM Exit Cal Mode for BERG ECU 3
7/23/2002 5:38:18 PM Enter Cal Mode for BERG ECU 3
7/23/2002 5:38:21 PM Exit Cal Mode for BERG ECU 3
7/23/2002 5:38:35 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:02:20 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:02:31 PM Enter Cal Mode for BERG ECU 5
7/23/2002 7:11:22 PM Exit Cal Mode for BERG ECU 5
7/23/2002 7:11:29 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:11:31 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:32:30 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:32:33 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:32:41 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:33:16 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:33:22 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:33:30 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:34:11 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:35:00 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:38:41 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:38:46 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:46:26 PM Enter Cal Mode for BERG ECU 3
7/23/2002 7:46:30 PM Exit Cal Mode for BERG ECU 3
7/23/2002 7:49:30 PM Enter Cal Mode for BERG ECU 3
7/23/2002 8:08:26 PM Exit Cal Mode for BERG ECU 3
7/25/2002 5:14:16 PM Change Price Portion table for Absolut--Standard
7/25/2002 5:15:16 PM Change Price Portion table for Absolut--Liquor
7/25/2002 5:15:34 PM Switch Liquor to Standard

END OF REPORT

Price Portion Report

The Price Portion report lists the brands that have been assigned to each dispenser in the selected station or group. It also lists the prices and portions for each brand and any cocktails that have been assigned. The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Price Portion

For every dispenser (Laser, All-Bottle, Tap) at the selected station/group this report lists a **Brand Name**, **Category Name**, **Delay/Timer** and **Cal/Meter** column.

Brand Name is the brand or cocktail assigned to the button, coded pourer or tap.

Category Name is the name of the brand or cocktail's prices and portions.

Delay/Timer is either the delay value of an All-Bottle or Laser dispenser or the flow rate of a TAP 1 dispenser.

Cal/Meter is either the cal value of an All-Bottle or Laser dispenser or the meter count of a TAP 1 dispenser.

The report then lists the **Price Portion Tables** for each brand or cocktail.

Prc Lvl is the price level (**A**, **B**, **C, D**).

Size is the portion size (can be **1-8** depending on product type)

Ptn. is the portion amount (listed in the unit of measure for your system).

Ptn. Price is the price of the portion size.

PLU is the PLU assigned to the portion size.

Printed On

The **Time** and **Date** on the report are the time and date the report was run.

Type of Data

This report can only be run as a **Current** report. However, the computer does not communicate with the selected ECU(s) because all the data comes from the computer's database.

Berg Infinity Report
>>SIMULATED REPORT<<

Current Price Portion **Berg Infinity Report 4.21.11** **Page 1**

Station Name: Margaritaville **Printed On: 7/26/2002 At 3:48:12 PM**

Brand

	Brand Name	Category Name	Delay/Timer	Cal/Meter
Network BERG ECU 5 Dispenser 1 Laserita-6				
Brand 1	Triple Sec	Standard	0	500
Brand 2	Tequila	Standard	0	500
Brand 3	Margarita Mix	Standard	0	500
Brand 4	Water	Standard	0	500
Brand 5	Tequila&Triple Sec	Standard	0	500
Brand 6	Sweet & Sour	Standard	0	500

Cocktail

	Brand Name	Category Name
Network BERG ECU 5 Dispenser 1 Laserita-6		
Lower Bank Cocktail 7	Marg. On the Rocks	Standard
Lower Bank Cocktail 8	Margarita	Standard

Price Portion Tables

Prc Lvl	Size	Ptn.	Ptn. Price	PLU	Prc Lvl	Size	Ptn.	Ptn. Price	PLU	Prc Lvl	Size	Ptn.	Ptn. Price	PLU
Margarita Mix Standard														
A	1	0.50	1.00	0	B	1	0.50	1.00	0	C	1	0.50	1.00	0
	2	1.00	2.00	0		2	1.00	2.00	0		2	1.00	2.00	0
	3	1.50	3.00	0		3	1.50	3.00	0		3	1.50	3.00	0
Sweet & Sour Standard														
A	1	0.50	1.00	0	B	1	0.50	1.00	0	C	1	0.50	1.00	0
	2	1.00	2.00	0		2	1.00	2.00	0		2	1.00	2.00	0
	3	1.50	3.00	0		3	1.50	3.00	0		3	1.50	3.00	0
Tequila Standard														
A	1	0.50	1.00	118	B	1	0.50	1.75	121	C	1	0.50	1.75	124
	2	1.00	3.50	119		2	1.00	3.50	122		2	1.00	3.50	125
	3	1.50	4.25	120		3	1.50	4.75	123		3	1.50	4.75	126
Tequila&Triple Sec Standard														
A	1	0.50	1.00	0	B	1	0.50	1.75	0	C	1	0.50	2.00	0
	2	1.00	3.50	0		2	1.00	3.50	0		2	1.00	4.00	0
	3	1.50	4.25	0		3	1.50	4.75	0		3	1.50	5.00	0
Triple Sec Standard														
A	1	0.50	1.00	136	B	1	0.50	1.75	139	C	1	0.50	1.75	142

(This example is page 1 of a multiple page report.)

PLU Report

The PLU report lists the PLUs that have been assigned to each brand in the selected station or group. This report is helpful in diagnosing problems with Interface or a Reconciliation report. It helps locate duplicate PLUs and brands without any PLU (shown with a zero). The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

PLU

This report lists the **PLU** for every brand in the selected station or group and shows the **Brand Name**, price/portion **Category Name**, **Price Level** and portion **Size** assigned to the PLU. The list is ordered by PLU number.

Printed On

The **Time** and **Date** on the report are the time and date the report was run.

Type of Data

This report can only be run as a **Current** report. However, the computer does not communicate with the selected ECU(s) because all the data comes from the computer's database.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

BERG'S GOURMET LOUNGE AND RESTAURANT

Current PLU Report | Berg Infinity Report 4.00.21 | Page 1

Station Name: Dance Floor | Printed On: 03/23/00 At 11:35:56 PM

PLU	Brand Name	Category Name	Price Level	Size
88	DAB	Standard	A	1
88	DAB	Standard	B	1
88	DAB	Standard	C	1
89	DAB	Standard	A	2
89	DAB	Standard	B	2
89	DAB	Standard	C	2
90	DAB	Standard	A	3
90	DAB	Standard	B	3
90	DAB	Standard	C	3
91	HARP	Standard	A	1
91	HARP	Standard	B	1
91	HARP	Standard	C	1
92	HARP	Standard	A	2
92	HARP	Standard	B	2
92	HARP	Standard	C	2
93	HARP	Standard	A	3
93	HARP	Standard	B	3
93	HARP	Standard	C	3
106	Honey Brown	Standard	A	1
107	Honey Brown	Standard	A	2
108	Honey Brown	Standard	A	3
109	Honey Brown	Standard	B	1
110	Honey Brown	Standard	B	2
111	Honey Brown	Standard	B	3
112	Honey Brown	Standard	C	1
113	Honey Brown	Standard	C	2
114	Honey Brown	Standard	C	3
220	Labatts	Standard	A	1
220	Labatts	Standard	B	1
220	Labatts	Standard	C	1
230	Labatts	Standard	A	2
230	Labatts	Standard	B	2
230	Labatts	Standard	C	2
240	Labatts	Standard	A	3
240	Labatts	Standard	B	3
240	Labatts	Standard	C	3

END OF REPORT

Cost Per Unit Report

The Cost Per Unit report lists the cost (to you) of each volume unit of each brand. This report only shows cost information if you enter a cost when setting up the brand or if you select **Calculate Container Cost** on **Inventory Options**. The unit is the unit of measure for your system. The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

Cost Per Unit This report shows each **Brand Name** in your brand list with its **Volume Unit Cost**. The cost per unit is derived from the container cost you entered when setting up the brand. To enter cost information see *Brand List Setup* or *Modify a Brand* in the *Brands, Cocktails, Prices and Portions* section.

Printed On The **Time** and **Date** on the report are the time and date the report was run.

Type of Data This report can only be run as a **Current** report. However, the computer does not communicate with the selected ECU(s) because all the data comes from the computer's database.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Berg Infinity Report
>>SIMULATED REPORT<<

Printed On: 7/26/2002 At 3:46:31 PM

Brand Name	Cost per oz	Brand Name	Cost per oz
Absolut	0.2957	Aperitif	0.1774
Bacardi	0.2957	Bacardi 151	0.3548
Beefeater	0.2366	Bombay	0.2366
Bourbon	0.2366	Brandy	0.2366
Bud Light	0.0126	Call	0.2957
Call Cordial	0.3253	Captain Morgan	0.3253
Chivas Regal	0.4435	Coffee Liqueur	0.1774
Courvoisier	0.3548	DAB	0.0151
Domestic Cordial	0.2366	Finlandia	0.2366
Flavored Brandy	0.1183	Gilbey's Gin	0.1774
Gin	0.1479	Grand Marnier	0.3548
HARP	0.0176	Honey Brown	0.0151
Imported Cordial	0.3253	Juice	0.0591
Killian's Red	0.0126	Labatts	0.0151
Margarita Mix	0.0781	Miller Lite	0.0126
Peach Schnapps	0.1479	Peppermint Schnapps	0.1479
Premium	0.2366	Red	0.1183
Ron Rico	0.2366	Rum	0.2070
Rye	0.2070	Samuel Adams	0.0151
Scotch	0.2070	Skyy	0.2366
Sloe Gin	0.1479	Smirnoff	0.2070
Special Cocktail	0.1183	Stolichnaya	0.2661
Super Premium	0.2661	Sweet & Sour	0.0781
Tanqueray	0.2661	Tequila	0.1479
Tequila&Triple Sec	0.2366	Triple Sec	0.1183
Vermouth	0.1562	Vodka	0.1479
Water	0.0000	Well	0.1183
Whiskey	0.1774	White	0.1183

END OF REPORT

Configuration Report

The Configuration report shows the current setup of ECUs and dispensers. The following is a description of this report. For help with running the report see *Run an Advanced Report* in the *Reports* section.

Configuration

This report displays the **Station Name**, **Network Name**, **ECU Number**, **Partition**, **EPROM Version**, **Dispenser Number**, **Dispenser Type**, **Enable/Disable**, and **Price Level** for each ECU or partition in the selected station or group.

Station Name is the station or group selected for the report.

Network Name is the name of the station or group's network.

ECU Num. is the number assigned to the ECU.

Partition is the number of the ECU partition (if it is a TAP 1 ECU).

EPROM Version is the version number of the EPROM in the ECU.

Disp Num is the number of the ECU dispenser.

Disp Type is the type of dispenser: Laser-6, Laser-12, Laser-16, All-Bottle-7, All-Bottle-15, All-Bottle ID or Tap.

Enable/Disable is the current state of the dispenser–specifying whether it is enabled for pouring or disabled.

Prc Lvl is the price level currently set at the ECU.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

To run this report the computer must communicate with the selected ECU(s). This report can only be run as a **Current** report.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

BERG'S GOURMET LOUNGE AND RESTAURANT

Current Configuration Report **Berg Infinity Report 4.00.21** **Page 1**

Group Name: <Master Group> **Printed On: 03/23/00 At 11:40:20 PM**

Station Name	Network Name	ECU Num	Partition	EPROM Version	Disp. Num	Disp. Type	Enable Disable	Price Level
<Master Group>	BERG	1		3.21	1	Laser-16	Enabled	C
					3	All-Bottle-7	Enabled	C
		2	1	3.21	1	Tap	Enabled	B
					2	Tap	Enabled	B
					3	Tap	Enabled	B
					4	Tap	Enabled	B
		2	2	3.21	5	Tap	Enabled	A
					6	Tap	Enabled	A
					7	Tap	Enabled	A
					8	Tap	Enabled	A
		3		3.21	1	All-Bottle-15	Enabled	A

END OF REPORT

Variance Report

To run the Variance report you must enter the sales collected at the sales terminal for each brand in the report. The software then calculates the difference between the sales recorded at the ECU and the sales recorded at the sales terminal. Any difference in the two amounts is shown and also figured as a percentage. For help with running this report see *Run a Variance Report* in the *Reconciliation and Variance Reports* section.

Variance

This report displays the **Charged Sales**, **Collected Sales**, **Variance** and the **Percent Collected Sales** for each **Brand Name** in the selected station or group.

Brand Name is the name of each brand assigned to dispensers in the station or group.

Charged Sales is the sales amount recorded at the ECU for each brand.

Collected Sales is the sales amount recorded by the sales terminal for the brand. (This is the amount you enter when you run the report.)

Variance is the discrepancy between the charged sales and collected sales for each brand.

Pct. Collected Sales is the collected sales divided by the charged sales. (It shows the percentage of the charged sales recorded by the ECU you actually collected at the sales terminal.)

The end of the report shows the **Totals** for **Charged Sales**, **Collected Sales**, **Variance**, and **Pct. Collected Sales** for all brands in the station or group.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

BERG'S GOURMET LOUNGE AND RESTAURANT

Station Name: Dance Floor Printed On: 03/23/00 At 11:43:37 PM

Brand Name	Charged Sales	Collected Sales	Variance	Pct. Collected Sales
DAB	202.25	197.50	-4.75	97.65
HARP	186.75	173.75	-13.00	93.04
Honey Brown	164.50	160.00	-4.50	97.26
Labatts	172.75	157.80	-14.95	91.35
Totals:	726.25	689.05	-37.20	94.88

END OF REPORT

Reconciliation Report

A Reconciliation report compares data from a sales terminal data file with data generated by **Infinity**. You can choose to compare by volume or by sales. To run this report you must perform required set up tasks. (See *Before You Run a Reconciliation Report* and *Run a Reconciliation Report* in the *Reconciliation and Variance Reports* section.) Each time you run a Reconciliation report, a current sales terminal data file must be present at the computer.

Reconciliation

If you choose to compare by Volume, this report displays the **Charged Pour Volume**, **Collected Volume**, **Variance**, **Percent Collected Volume** and **Lost Retail Value** for each **Brand Name** in the selected station or group.

If you choose to compare by Sales, this report displays the **Pour Sales**, **Collected Sales**, **Variance** and the **Percent Collected Sales** for each **Brand Name** in the selected station or group.

The end of the report shows **Totals** for all brands in the station or group.

Glossary of Report Terms

See the *Glossary of Report Terms* in this section for further clarification of terms.

Printed On

The **Time** and **Date** on the report are the time and date the report was run–not necessarily the time and date of the last station activity.

Type of Data

If you run this report as a **Current** report the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

Berg Infinity Report

Most Recent Archive Reconciliation Report **Berg Infinity Report 4.00.22** **Page 1**

Group Name: <Master Group> **Printed On: 03/20/2000 At 10:32:33 AM**

Brand Name	Charged Pour Volume	Collected Volume	Variance	Pct. Collected Volume	Lost Retail Value
Bailey's	76.50	74.00	-2.50	96.73	-6.25
Bourbon	49.50	46.00	-3.50	92.93	-7.35
Brandy	39.50	38.00	-1.50	96.20	-3.00
Budweiser	1,085.00	1,040.00	-45.00	95.85	-9.45
Gin	56.50	53.00	-3.50	93.81	-6.65
Miller	831.00	824.00	-7.00	99.16	-1.47
Rum	42.00	40.00	-2.00	95.24	-4.00
Sam Adams	1,097.00	1,072.00	-25.00	97.72	-6.75
Schlitz	932.00	904.00	-28.00	97.00	-5.04
Schnapps	56.00	56.00	0.00	100.00	0.00
Vermouth	47.50	47.00	-0.50	98.95	-1.00
Vodka	54.00	49.00	-5.00	90.74	-8.50
Whiskey	84.00	84.00	0.00	100.00	0.00
Totals:	4,450.50	4,327.00	-123.50	97.23	-59.46

Complimentary Totals: 479.00 oz
Canceled Totals: 381.00 oz

END OF REPORT

Berg Infinity Report

Most Recent Archive Reconciliation Report **Berg Infinity Report 4.00.22** **Page 1**

Group Name: <Master Group> **Printed On: 03/20/2000 At 10:37:16 AM**

Brand Name	Pour Sales	Collected Sales	Variance	Pct. Collected Sales
Bailey's	153.00	153.00	0.00	100.00
Bourbon	99.00	90.00	-9.00	90.91
Brandy	79.00	72.00	-7.00	91.14
Budweiser	101.00	88.00	-13.00	87.13
Gin	113.00	110.00	-3.00	97.35
Miller	83.00	80.00	-3.00	96.39
Rum	84.00	80.00	-4.00	95.24
Sam Adams	103.00	95.00	-8.00	92.23
Schlitz	86.00	81.00	-5.00	94.19
Schnapps	112.00	107.00	-5.00	95.54
Vermouth	95.00	90.00	-5.00	94.74
Vodka	108.00	98.00	-10.00	90.74
Whiskey	168.00	160.00	-8.00	95.24
Totals:	1,384.00	1,304.00	-80.00	94.22

Complimentary Totals: 143.00
Canceled Totals: 37.00

END OF REPORT

Container Stock Report

This report shows the stock status of all brands included in Inventory. The information in the report is based on the most recent Inventory Check. The following is a description of this report. For help with running the report see *Reports* in the *Inventory* section.

Brand Name The name of each brand included in Inventory.

Count The number of containers of the brand in stock.

Container The type of container used for the brand.

Status The ordering status of the brand.

Stock Cost The total cost to you of all containers of the brand on hand. This is the container cost multiplied by the number of containers.

Stock Value The total retail value of all containers of the brand on hand. This is the retail price per volume unit multiplied by the number of units in the brand's container size multiplied by the number of containers in stock.

Type of Data The data in Inventory reports reflects the results of the most recent Inventory Check. The computer does not communicate with the selected ECU(s) because all the data comes from the computer's database.

Berg Infinity Report
>>SIMULATED REPORT<<

Container Stock **Berg Infinity Report 4.21.11** **Page 1**

From: **To:**
Group Name: <Master Group> **Printed On: 7/26/2002 At 3:44:09 PM**

Brand Name	Product Code	Count	Container	Status	Stock Cost	Stock Value
Absolut	L001	2.60	Liter		26.00	263.78
Bacardi	L002	-3.12	Liter	On Order	-31.20	-316.54
Bacardi 151	L003	1.02	Liter	On Order	12.24	120.73
Beefeater	L004	34.76	Liter		278.08	2,938.79
Bombay	L005	-1.81	Liter	On Order	-14.48	-153.03
Bourbon	L006	-17.21	Liter	On Order	-137.68	-1,455.02
Brandy	L007	-0.81	Liter	On Order	-6.48	-68.48
Bud Light	B001	1.31	Half Barrel	On Order	32.75	103.96
Captain Morgan	L008	-3.38	Liter	On Order	-37.18	-342.92
Chivas Regal	L009	-2.61	Liter	On Order	-39.15	-353.06
Coffee Liqueur	L010	-7.02	Liter	On Order	-42.12	-474.81
Courvoisier	L011	-2.18	Liter	On Order	-26.16	-258.03
DAB	B002	3.00	Half Barrel		90.00	297.60
Finlandia	L012	-2.17	Liter	On Order	-17.36	-183.46
Flavored Brandy	L013	-12.90	Liter	On Order	-51.60	-654.38
Gilbey's Gin	L014	-3.86	Liter	On Order	-23.16	-261.08
Gin	L015	-52.41	Liter	On Order	-262.05	-3,544.81
Grand Marnier	L016	-4.59	Liter	On Order	-55.08	-543.29
HARP	B003	5.00	Half Barrel		175.00	595.20
Honey Brown	B004	7.35	Half Barrel		220.50	729.12
Killian's Red	B005	7.28	Half Barrel		182.00	577.74
Labatts	B006	5.23	Half Barrel		156.90	518.82
Margarita Mix	L017	1.45	Bag in A Box	On Order	36.25	92.80
Miller Lite	B007	6.29	Half Barrel		157.25	499.17
Peach Schnapps	L018	-11.12	Liter	On Order	-55.60	-752.11
Peppermint Schnapps	L019	-13.36	Liter	On Order	-66.80	-903.62
Ron Rico	L020	-4.68	Liter	On Order	-37.44	-395.67
Rum	L021	-40.65	Liter	On Order	-284.55	-3,436.76
Rye	L022	-11.15	Liter	On Order	-78.05	-942.68
Samuel Adams	B008	5.50	Half Barrel		165.00	545.60
Skyy	L023	-2.18	Liter	On Order	-17.44	-184.31
Sloe Gin	L024	-12.89	Liter	On Order	-64.45	-871.83
Smirnoff	L025	-3.55	Liter	On Order	-24.85	-300.14
Stolichnaya	L026	-4.15	Liter	On Order	-37.35	-421.03
Sweet & Sour	L027	-0.92	Bag in A Box	On Order	-23.00	-5.89
Tanqueray	L028	-2.32	Liter	On Order	-20.88	-235.37
Tequila	L029	-39.33	Liter	On Order	-196.65	-2,660.13
Tequila&Triple Sec	L030	-8.87	Liter	On Order	-70.96	-749.92
Triple Sec	L031	-46.36	Liter	On Order	-185.44	-2,351.71
Vermouth	L032	-16.80	Fifth	On Order	-67.20	-645.12
Vodka	L033	-40.62	Liter	On Order	-203.10	-2,747.38
Whiskey	L034	-10.48	Liter	On Order	-62.88	-708.83

(This example is page 1 of a multiple page report.)

Cost Analysis Report

This report shows volume poured and volume lost for each brand. The lost volume data is only available if you've entered container amounts from your physical inventory. For help with running the report see *Reports* in the *Inventory* section.

Brand Name The name of each brand included in Inventory.

Poured The number of containers of the brand poured in the time between the two most recent Inventory Checks.

Container The container type assigned to the brand.

Containers Lost The number of containers of the brand unaccounted for in the time between the two most recent Inventory Checks. (This number is only available if you perform a physical inventory and enter the current stock amount when you run the Inventory Check.)

Lost Value The retail value of the containers of the brand that are unaccounted for.

Type of Data The data in Inventory reports reflects the results of the most recent Inventory Check. The computer does not communicate with the selected ECU(s) because all the data comes from the computer's database.

Berg Infinity Report
>>SIMULATED REPORT<<

Cost Analysis **Berg Infinity Report 4.21.11** **Page 1**

From: **To:**
Group Name: <Master Group> **Printed On: 7/26/2002 At 3:41:57 PM**

Brand Name	Poured	Container	Containers Lost	Lost Value
Absolut	3.14	Liter	1.04	105.51
Bacardi	2.60	Liter	0.85	86.24
Bacardi 151	2.93	Liter	0.86	101.79
Beefeater	2.91	Liter	3.47	293.37
Bombay	2.32	Liter	0.00	0.00
Bourbon	13.53	Liter	2.74	231.65
Brandy	4.73	Liter	1.63	137.81
Bud Light	1.06	Half Barrel	0.00	0.00
Captain Morgan	2.91	Liter	0.72	73.05
Chivas Regal	3.65	Liter	1.64	221.85
Coffee Liqueur	8.17	Liter	2.92	197.50
Courvoisier	2.94	Liter	0.00	0.00
DAB	1.34	Half Barrel	2.04	202.37
Finlandia	2.67	Liter	0.00	0.00
Flavored Brandy	4.18	Liter	0.00	0.00
Gilbey's Gin	2.89	Liter	0.00	0.00
Gin	17.73	Liter	0.00	0.00
Grand Marnier	2.96	Liter	0.00	0.00
HARP	1.29	Half Barrel	1.33	158.32
Honey Brown	1.13	Half Barrel	0.00	0.00
Killian's Red	1.18	Half Barrel	0.00	0.00
Labatts	1.11	Half Barrel	0.00	0.00
Margarita Mix	0.83	Bag in A Box	0.00	0.00
Miller Lite	1.14	Half Barrel	0.00	0.00
Peach Schnapps	4.54	Liter	0.00	0.00
Peppermint Schnapps	4.65	Liter	0.00	0.00
Ron Rico	3.10	Liter	0.00	0.00
Rum	12.79	Liter	0.00	0.00
Rye	4.52	Liter	0.00	0.00
Samuel Adams	1.14	Half Barrel	0.00	0.00
Skyy	2.76	Liter	0.00	0.00
Sloe Gin	4.59	Liter	0.00	0.00
Smirnoff	3.27	Liter	0.00	0.00
Stolichnaya	2.67	Liter	0.00	0.00
Sweet & Sour	0.27	Bag in A Box	0.00	0.00
Tanqueray	2.71	Liter	0.00	0.00
Tequila	8.25	Liter	0.00	0.00
Tequila&Triple Sec	3.22	Liter	0.00	0.00
Triple Sec	9.08	Liter	0.00	0.00

(This example is page 1 of a multiple page report.)

Brand Information Report

This report shows the brand setup and ordering information you've entered at the computer. The following is a description of this report. For help with running the report see *Reports* in the *Inventory* section.

Brand Name The name of each brand in your brand list.

Count The number of containers of the brand in stock.

Container The type of container used for the brand.

Container Cost The cost you pay for each container of the brand (entered in Brand List Setup).

Container Value The retail value of each container of the brand (derived from the retail price per volume unit).

Supplier The name of the supplier of the brand.

Type of Data The data in Inventory reports reflects the results of the most recent Inventory Check. The computer does not communicate with the selected ECU(s) because all the data comes from the computer's database.

Warnings You may see one or more messages at the end of the report. These messages help you see how your brands are set up and whether you need to make some changes.

The messages include: the number of brands without suppliers (these are not part of inventory), the number of brands with an invalid stock count, the number of brands with an invalid order point/par stock, the number of brands with an invalid order quantity, and the number of brands not assigned.

Berg Infinity Report
>>SIMULATED REPORT<<

Brand Information **Berg Infinity Report 4.21.14** **Page 1**

Beer Only

From:
Group Name: <Master Group>

To:
Printed On: 9/28/2002 At 1:59:03 PM

Brand Name	Count	Container	Container Cost	Container Value	Supplier
Bud Light	13.37	Half Barrel	25.00	79.36	Beer Man, Inc.
DAB	1.99	Half Barrel	30.00	99.20	Beer Man, Inc.
HARP	3.26	Half Barrel	35.00	119.04	Beer Man, Inc.
Honey Brown	5.60	Half Barrel	30.00	99.20	Beer Man, Inc.
Killian's Red	5.57	Half Barrel	25.00	79.36	Beer Man, Inc.
Labatts	3.56	Half Barrel	30.00	99.20	Beer Man, Inc.
Miller Lite	4.29	Half Barrel	25.00	79.36	Beer Man, Inc.
Samuel Adams	3.78	Half Barrel	30.00	99.20	Beer Man, Inc.

* There are 7 brands with invalid order point/par stock *
* There are 7 brands with invalid order quantity *

END OF REPORT

Column Selection Report

A Column Selection report has no pre-set content. You select which columns of data you want to appear on the report.You must enable the Enterprise edition to use a Column Selection report.For help with running the report see *Create a Column Selection Report* in the *Reports* section.

Sales vs Usage

If you run this report as a **Sales** report, you'll see **Drink** information for each brand in the report. A drink is a shot or cocktail. Ingredients in a cocktail recipe are not listed as individual drinks.

If you run it as a **Usage** report, you'll see **Pour** information for each brand. A pour is any shot of the brand. Ingredients in a cocktail recipe are listed as pours, but cocktails are not listed.

Columns

The columns you selected for the report appear from left to right. See the *Glossary of Report Terms* in this section for further clarification of any column headings in your report.

The sample reports shown here include a "Service Bar Volume Report", a "Comp Beer Report" and a "Laserita Sales Report".

We could vary these reports by running them on a different station/group, rearranging the order of the columns or adding/ subtracting columns.

Sort Order

The sample reports shown here are all sorted by brand name. Depending on the columns you select for your report(s), you can see brands in the report grouped by price level, archive date, etc.

Printed On

The **Time** and **Date** on the report are the time and date the report was run.

Type of Data

If you run this report as a **Current** report, the computer must communicate with the selected ECU(s). The data reported on is all data currently stored at the ECU(s) or in other words, all data since the last time you cleared sales at the selected ECU(s).

To run this report as a **Most Recent Archive** report, the computer uses the sales data stored at the computer the last time you cleared sales at the ECU.

To run this report as a **Weekly**, **Monthly** or **Date Range** report, the computer uses archive data stored at the computer. The data reported on is determined by the number of times you cleared sales at the ECU during the specified time.

Berg Infinity Report
>>SIMULATED REPORT<<

Most Recent Archive Column Selection | Berg Infinity Report 4.21.11 | Page 1

By Sales

Station Name: Service Bar 1 | Printed On: 7/26/2002 At 2:48:12 PM

Brand Name	Pct. Total Volume	Charged Volume
Aperitif	2.51	53.00
Call	2.73	57.00
Call Cordial	1.93	38.50
Domestic Cordial	2.68	58.00
Imported Cordial	2.60	53.00
Juice	2.48	49.00

Berg Infinity Report
>>SIMULATED REPORT<<

Most Recent Archive Column Selection | Berg Infinity Report 4.21.11 | Page 1

By Sales

Station Name: Lounge Beer | Printed On: 7/26/2002 At 2:47:03 PM

Brand Name	Comp. Sales	Comp. Drinks	Comp. Volume
Bud Light	20.75	8	150.00
DAB	28.25	5	147.00
HARP	30.50	7	159.00
Honey Brown	8.50	6	54.00
Killian's Red	14.50	5	77.00
Labatts	16.00	5	85.00
Miller Lite	8.75	3	65.00
Samuel Adams	40.50	8	212.00
Totals:	167.75	47	949.00

END OF REPORT

Berg Infinity Report
>>SIMULATED REPORT<<

Most Recent Archive Column Selection | Berg Infinity Report 4.21.11 | Page 1

By Sales

Station Name: Margaritaville | Printed On: 7/26/2002 At 2:49:06 PM

Brand Name	Pct. Total Sales	Charged Sales	Comp. Sales	Canceled Sales
Marg. On the Rocks	19.60	241.00	0.00	0.00
Margarita	14.56	179.00	0.00	0.00
Margarita Mix	8.94	110.00	0.00	0.00
Sweet & Sour	6.42	79.00	0.00	0.00
Tequila	14.35	176.50	0.00	0.00
Tequila&Triple Sec	13.19	162.25	0.00	0.00
Triple Sec	15.21	187.00	0.00	0.00
Water	7.73	95.00	0.00	0.00
Totals:		1,229.75	0.00	0.00

END OF REPORT

SECTION

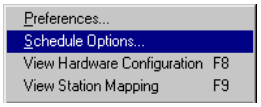
18 Schedules

A schedule lets you automate daily and weekly **Infinity** operations. Various tasks you repeat at the same time every day or week are perfect candidates for a schedule. For example, enabling **Infinity** stations in the morning, changing price levels at happy hour, running daily reports and disabling stations at closing are tasks that can be included in a schedule and performed without you at the computer. Or maybe you perform a series of tasks in a row when you run weekly reports. You can define these tasks in a schedule without a specific time and just run the schedule whenever you want to perform that series of tasks. This section provides help with the following tasks:

Schedule Options 18-2
Create a Time Schedule 18-4
Create a Run Now Schedule 18-8
Define Schedule Actions 18-10
Run a Schedule 18-14
Run a Schedule from the Command Line 18-16
Modify a Schedule 18-18
Print a Schedule 18-20
Delete a Schedule 18-22
Schedule Log 18-24
Error Log 18-26

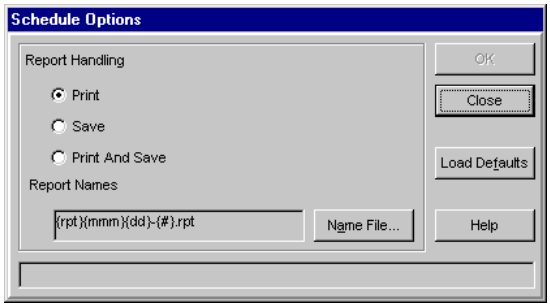
Schedule Options

Schedule options specify how report output is generated in a schedule. Perform this task to set up default schedule options used for all new schedules. Defining default options does not affect any existing schedules.



■ To set up schedule options:

1. Run **Schedule**.
2. Pull down the **Options** menu and click **Schedule Options...**.



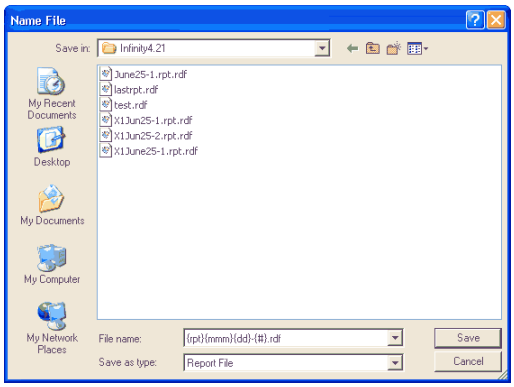
3. Select a **Report Handling** method.

   Print means all scheduled reports are sent to the printer. (Be sure the printer is on when the schedule is running and the paper tray is full.)

   Save means a scheduled report is saved to a file (with a name you can specify).

   Print And Save means scheduled reports are both sent to the printer and saved to a file.

4. To specify a file name for all reports saved to a file, click **Name File...**.



5. Select the folder, type the file name used for all scheduled reports and click **Save**.

Saved Report Files

- If you select **Save**, reports are saved to a file using the format of the current default printer.
- The file names are listed in the schedule log and error log (e.g., "report written to file ZNov02.rdf").
- Saved report files can only be opened using the **Report** program. (Go to **Advanced Reports**, click **Open...** on the **Reports** screen and select the file name.)

File Names

- The {rpt} abbreviations are:
  Z (Archive & Clear Sales)
  X1 (Sales Totals)
  X2 (Sales by Price Level)
  X3 (Detailed Sales)
  X4 (Hourly Sales)
  SS (Sales Summary)
  US (Usage)
  PL (Price Level Changes)
  *PP (Price and Portion)
  *CFG (Config)
  *RU (Retail Usage)
  *CPU (Cost Per Unit)
  *PLU (PLU)
  REC (Reconciliation)
  *ST (Container Stock)
  *AN (Cost Analysis)
  *BR (Brand Information)
  *VAR (Variance)
  *COL (Column Selection)
  *ORD (Order Printout)

  Report names with (*) can only be run as custom reports under **Schedule**.
- If you schedule a custom report, the {rpt} abbreviation used is the "based on" report.
- If brackets don't match up or don't contain one of the defined strings, they are left intact (as part of the file name).
- Examples:

  Z{ddd}.rpt = Ztue.rpt

  {dd}{mmm}{yy}.rpt = 13oct01.rpt

  {dd{xxx}.rpt = {dd{xxx}.rpt (brackets don't match up)

Load Defaults

If you click **Load Defaults** on the **Modify Schedule** screen (for an existing schedule), your options are used for the schedule.

{rpt}{mmm}{dd}-{#}.rdf is the default report name used for all reports run and saved as part of a schedule. This name is a template of the actual report name. The pairs of curly brackets do not appear in the final report name; they specify which information is included in the report name.

{rpt} represents the report abbreviation, **{mmm}** is the month abbreviation, **{dd}** is the day of the month and **-{#}** is the lowest unique number

For example, using the default scheduled report name, the name of the first scheduled Usage report run on June 17 is **USJun17-1.rdf**. A second Usage report run the same day is **USJun17-2.rdf.**

You can specify a different name to use for all scheduled reports. Choose any curly bracket strings from the list below and type them (in the order you want) as a template of the final report name. Any text you type outside curly brackets in the report name appears just as you type it.

If you type a report name without any curly bracket strings, each successive report you've scheduled will overwrite the previous report (since they all use the same report name).

{rpt} - the 1-3 character abbreviation for the report, e.g., Z

{dd} - day of the month, e.g., 13

{ddd} - day of the week, short format, e.g., Tue

{dddd} - day of the week, full name, e.g., Tuesday

{mm} - two digit month number, e.g., 10 (for October)

{mmm} - name of the month short format, e.g., Oct

{mmmm} - name of the month, full name, e.g., October

{y} - day of the year, e.g., 355 for Dec. 21

{yy} - two digit year, e.g., 00

{yyyy} - four digit year, e.g., 2000

{#} - first number to make the file name unique

6. Click **OK** to save the options.

Note

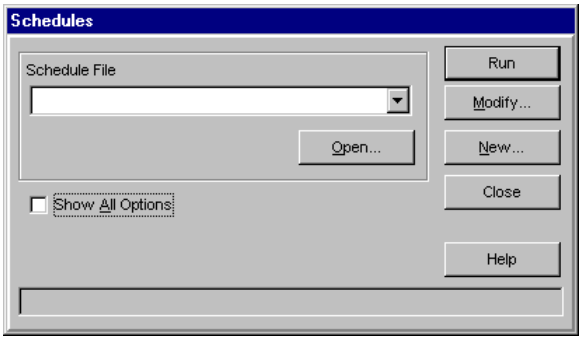
- ❑ If you select new schedule options on the **Options** tab of the the **New Schedule** or **Modify Schedule** screen, those options apply ONLY to the specific schedule being created or modified.

Create a Time Schedule

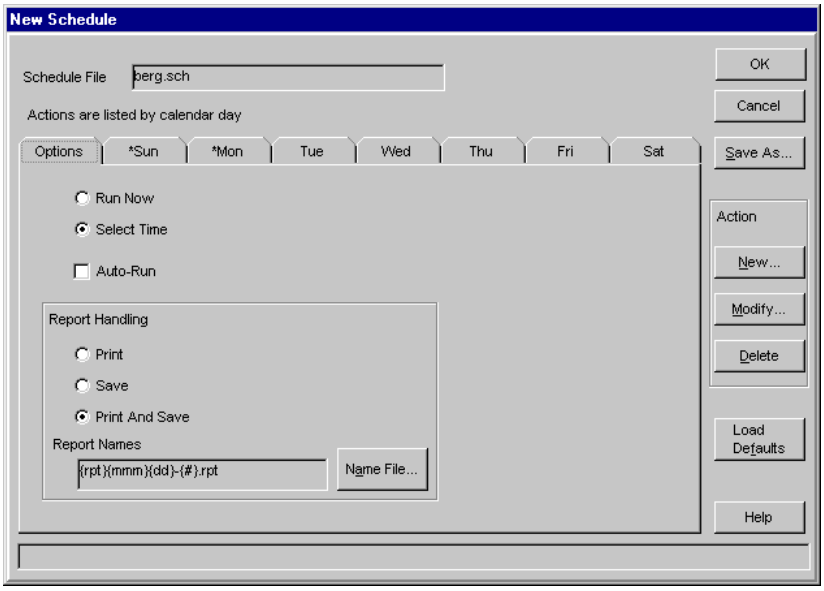
Creating a Time schedule defines which tasks or actions you want **Infinity** to perform automatically and at what time(s). The actions you can schedule include running reports, clearing ECU sales, enabling and disabling stations, changing price levels and exporting. The way you use your **Infinity** system determines what type of schedules work best for you. You may want a master schedule running constantly that handles all **Infinity** operations. Or you may want schedules that you run at specific times of the week or month. If you don't want to define specific times for the actions in your schedule see *Create a Run Now Schedule* in this section.

■ To create a Time schedule:

1. Run **Schedule**.
2. Click **Schedules...**.



3. Click **New...**.



A schedule appears with the name berg.sch.

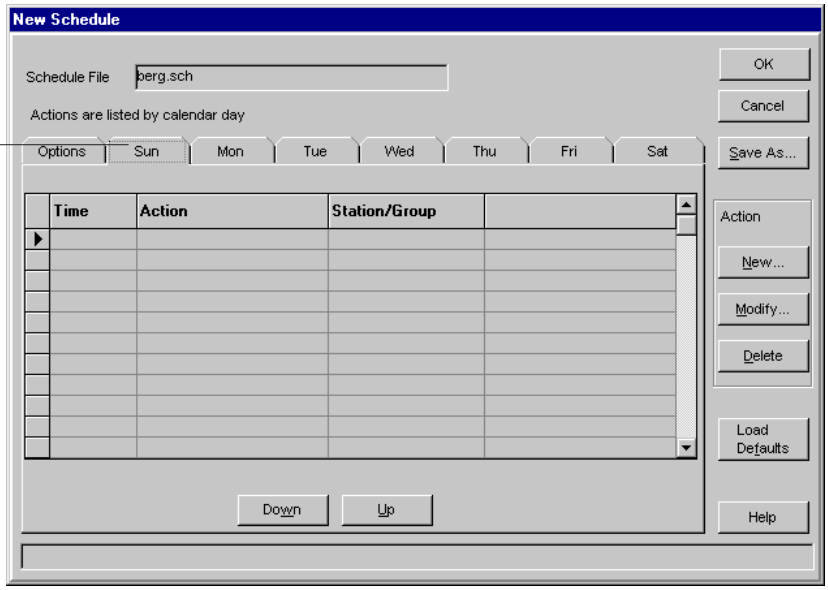
4. Click **Select Time** (if necessary).

5. Click **Auto-Run** if you want the schedule to automatically run whenever Windows is started.

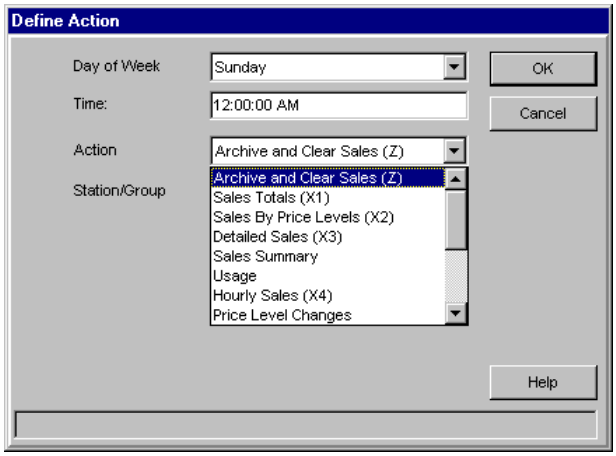
6. Select a report handling method (if you don't want to use your default method). For a description of the methods, see *Schedule Options* in this section.

7. Click one of the tabs to define actions for that day.

The days of the week are arranged as tabs on the screen. On each tab you specify **Actions** which are performed for a selected **Station/Group**.



8. Click **New...** to add an **Action** (or double-click on an empty row).



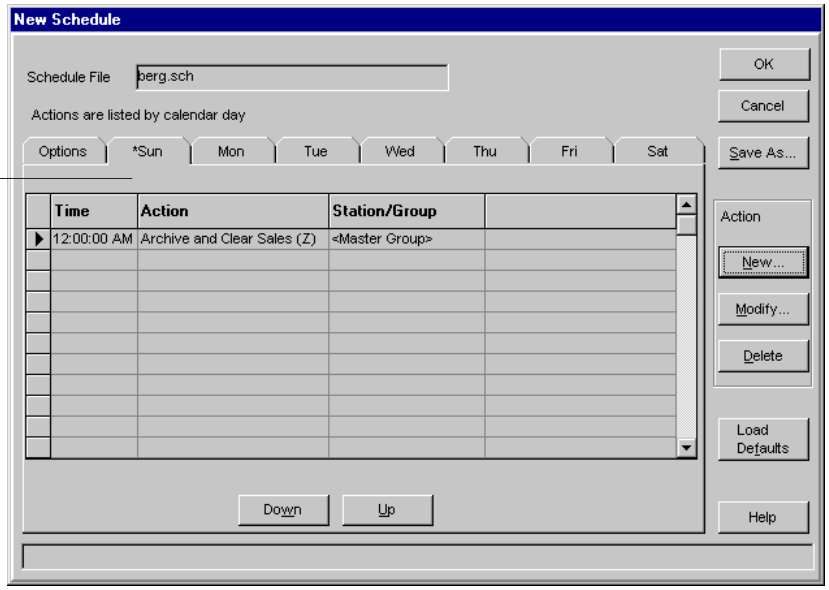
9. Type the **Time** you want the action to occur.

   Use the time format of your Windows operating system. You can specify any hour, minute and second of the day or night. (12:00AM is midnight, 12:00PM is noon.)

10. Select an **Action** and the **Station/Group** to receive the action. Provide additional information about the action if necessary. See *Schedule Actions* in this section.

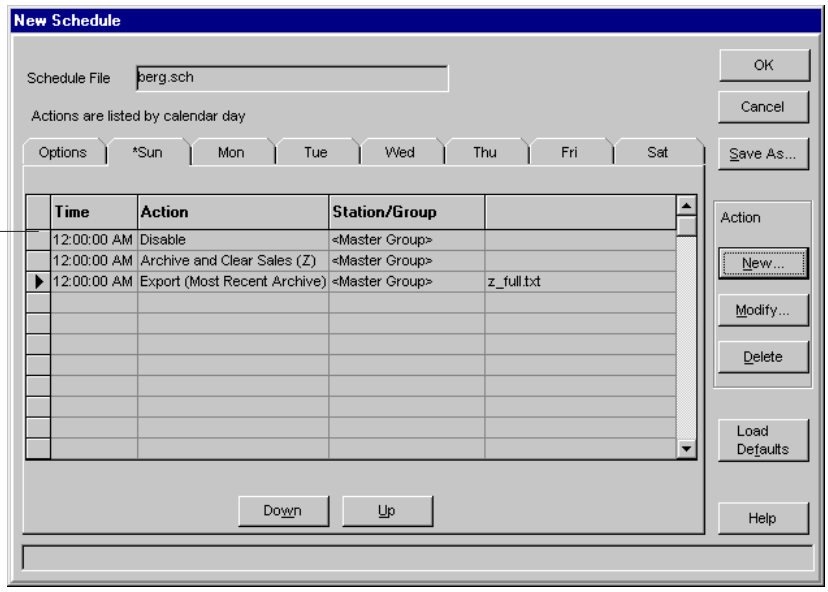
11. Click **OK** to save the action on the specified day.

Days with defined actions are denoted by an asterisk on the tab.

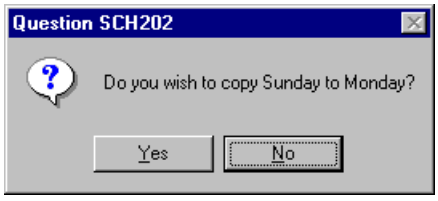


12. Repeat steps 8-11 to add new actions to the same day.

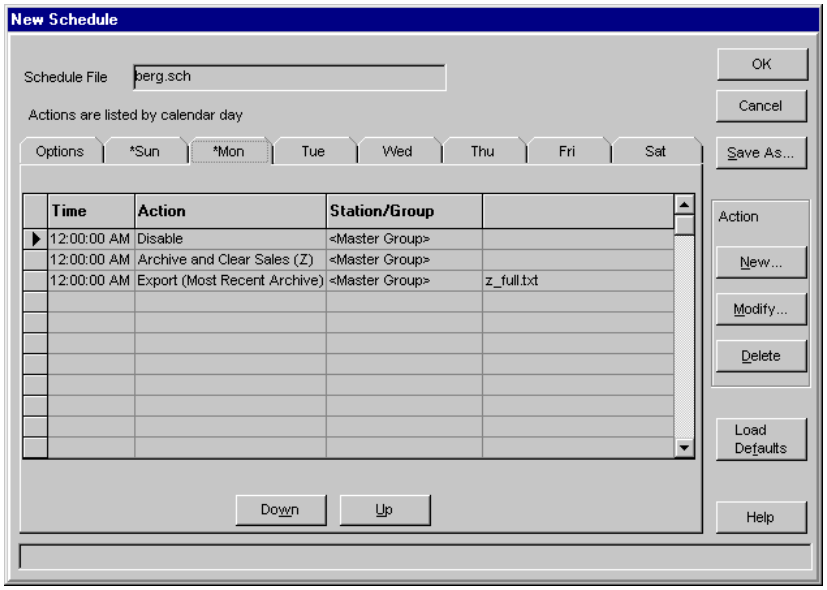
Actions with identical times are scheduled in the order you list them, so be sure you have the correct sequence. You can select an action with the mouse and drag it to a different position.



13. Click a new day tab when you've completed your first day.

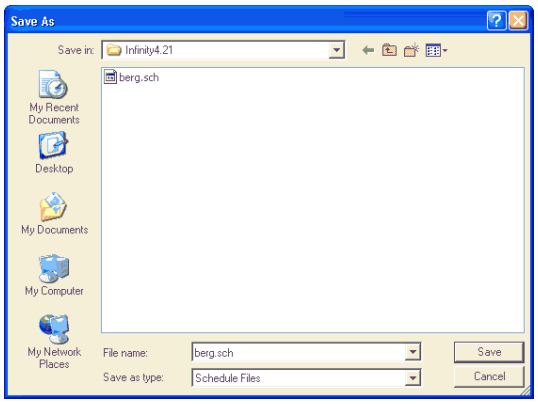


14. Click **Yes** if you want to copy the actions of one day to another. Or click **No** to assign different actions to the new day.



15. Continue by defining new actions for each day or copying one day's actions to another.

16. Click **OK** to save the schedule with the displayed name. To save the schedule with a different name, click **Save As...**.



17. Choose the folder to **Save in**, type the **File name** and click **Save**.

18. Click **Close** to exit the **Schedules** screen.

Note

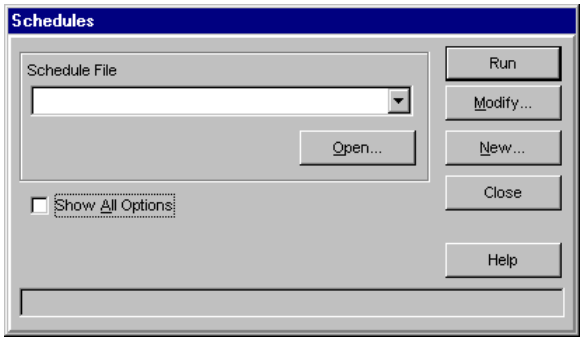
- You can only define one **Auto-Run** schedule. (If you select **Auto-Run** on a second schedule, it's de-selected on the first schedule.)

Create a Run Now Schedule

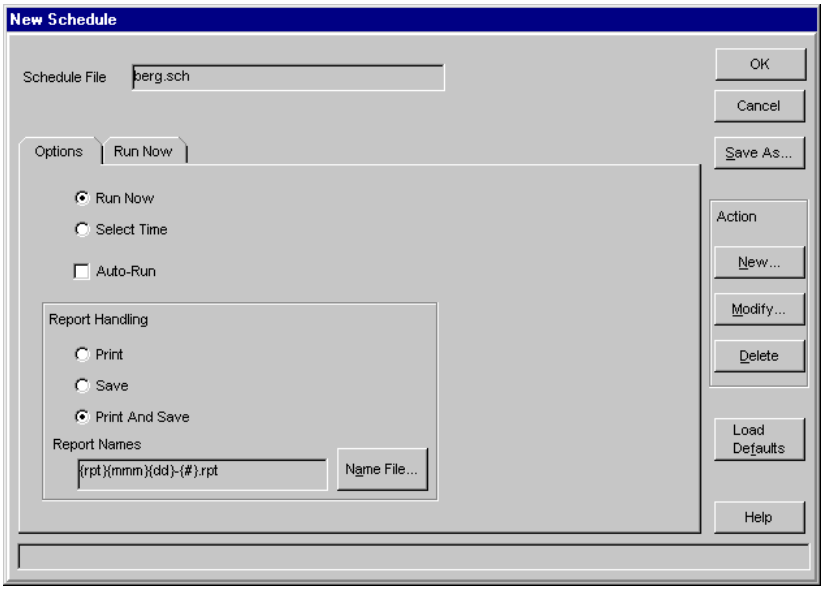
A Run Now schedule does not perform actions at specific times. Instead, it performs a series of actions one after another whenever you run the schedule. This is useful if you want to automate a series of tasks but you don't want to specify an exact time for the tasks. The actions you can schedule include running reports, clearing ECU sales, enabling and disabling stations, changing price levels, exporting and running another program. A Run Now schedule automatically stops running after all actions are performed.

■ To create a Run Now schedule:

1. Run **Schedule**.
2. Click **Schedules...**.



3. Click **New...** .

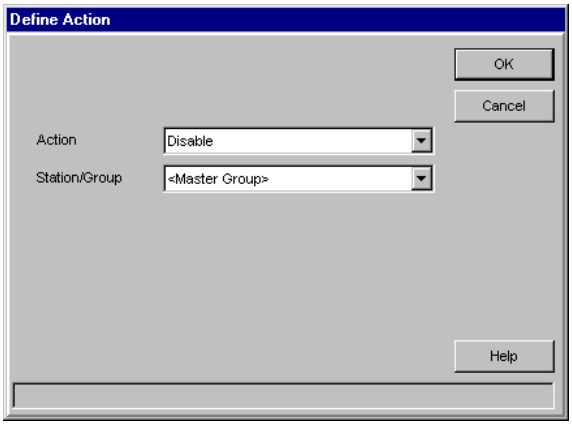


4. Click **Run Now**. A **Run Now** tab appears.
5. Click **Auto-Run** if you want the schedule to automatically run whenever Windows is started.

6. Select a report handling method (if you don't want to use your default method). For a description of the methods, see *Schedule Options* in this section.

7. Click the **Run Now** tab.

8. Define the **Actions** you want to occur in the schedule. See *Create a Time Schedule* or *Schedule Actions* in this section.

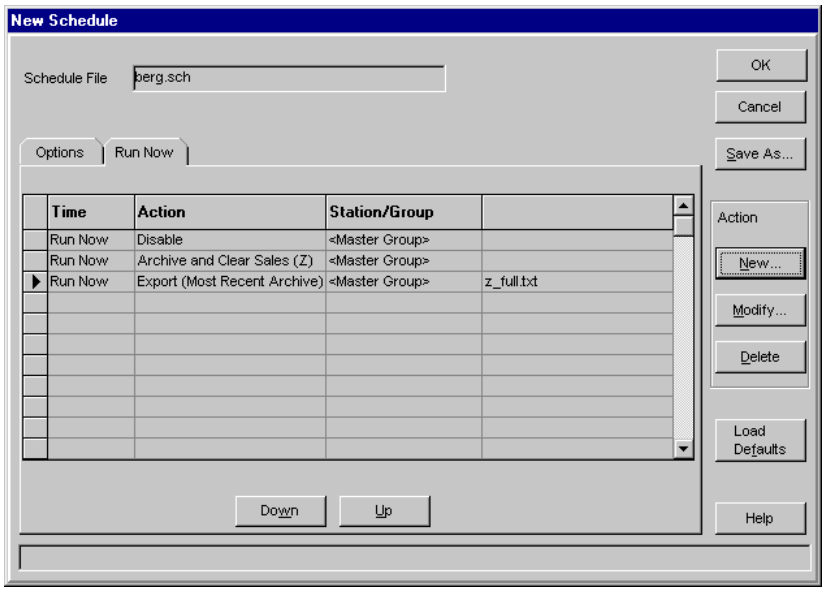


You won't be specifying any times for the actions. The actions will be performed as they're listed on the schedule.

Run Now Example

This type of schedule could be helpful at closing.

- Perhaps you always disable stations, clear ECU sales and export data to your spreadsheet when you close at night, but the time varies from day to day.
- Put those events in a schedule called 'Closing'. The schedule won't run until you start it.
- Whenever you're ready, run the schedule and the tasks will be completed in order while you're busy with something else.



9. Click **OK** to save the schedule with the displayed name. To save the schedule with a different name, click **Save As...** and type in a new file name.

10. Choose the folder to save in and click **Save**.

11. Click **Close** to exit the **Schedules** screen.

Schedule Actions

Schedule actions are the tasks you want **Infinity** to automatically perform. You can define a specific time to perform the actions by creating a Time schedule. Or, you can simply define a series of actions without a scheduled time by creating a Run Now schedule. When you create either type of schedule, you must define the specific actions, the order of the actions and the station(s) or group(s) to receive the action.

Report Options

- All standard reports in the list use the options set in the **Options** menu of the **Report** program except for options for the type of data. Some reports in the list let you select Current or Most Recent Archive; export is Most Recent Archive only.

Custom Reports & Exports

- To use different report options in a scheduled report or export or schedule a non-listed report, create a custom report or custom export in either the **Schedule** program or the **Report** program. See *Create a Custom Report* and *Create a Custom Export* in the *Reports* section.

Exit Schedule

- Include **Exit Schedule** to automatically stop the schedule at a specific time. The schedule won't exit until the previous action is complete. The schedule does not automatically start again after it exits.

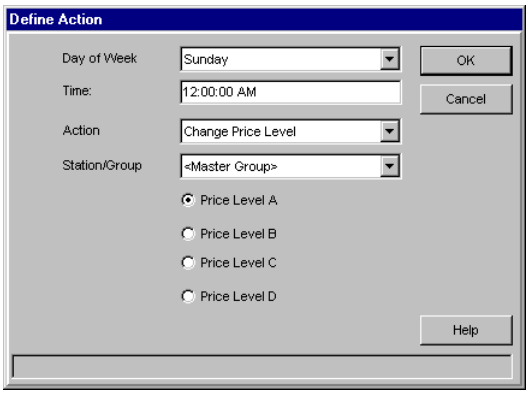
■ To add a new schedule action:

1. Access the **New Schedule** or **Modify Schedule** screen. See *Create a Time Schedule, Create a Run Now Schedule* or *Modify a Schedule* in this section.
2. Click **New...** to add an **Action**.
3. Select an **Action** and the **Station/Group** to receive the action. Provide additional information and specify a time if necessary.
4. Click **OK**. The selected **Action** and **Station/ Group** are added to the tab on the line with the arrow cursor.

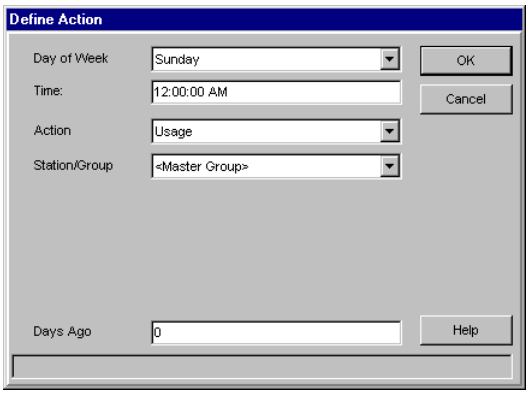
■ To replace a schedule action:

1. Access the **New Schedule** or

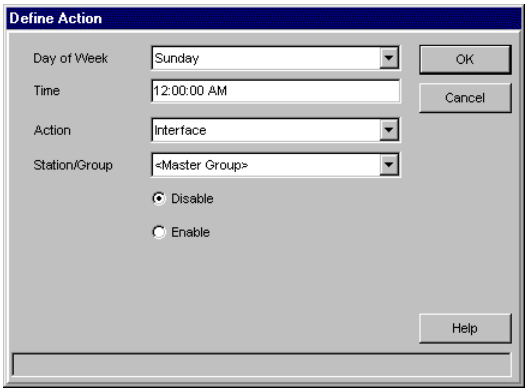
Action	Task Performed
Archive and Clear Sales (Z)	Clears ECU sales and runs the report for the station/group
Sales Totals (X1)	Runs the report for the station/group
Sales by Price Levels (X2)	Runs the report for the station/group
Detailed Sales (X3)	Runs the report for the station/group
Sales Summary	Runs the report for the station/group
Usage	Runs the report for the station/group
Hourly Sales (X4)	Runs the report for the station/group
Price Level Changes	Runs the report for the station/group
Export (Most Recent Archive)	Exports data from the last Clear Sales for the station/ group (specify file name)
Enable	Enables ECUs in the station/group
Disable	Disables ECUs in the station/group
Change Price Level	Changes price levels at all ECUs in the station/group (specify new price level)
Interface (must be installed)	Enable or disable
Custom Report	Runs the report for the station/group (specify which custom report)
Custom Export	Exports custom data (specify file name)
Switch Category	Switches price/portion cateogry (specify the from and to category)
Inventory Check	Adjusts inventory, generates order
Exit Schedule	Stops the currently running schedule
Run Program	Runs a specified program and waits for its completetion
Backup Database	Copies setup and sales data to a specified location
Store Configuration	Copies setup data to a specified location



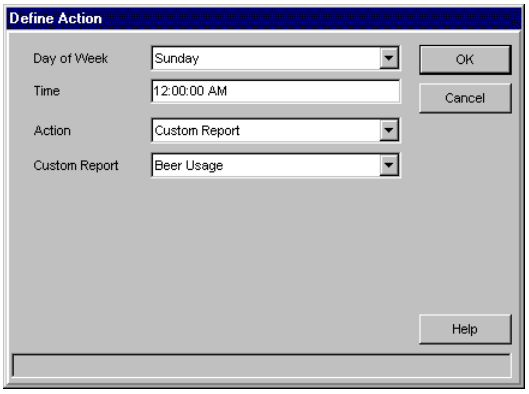
- If you select **Change Price Level**, select the price level.



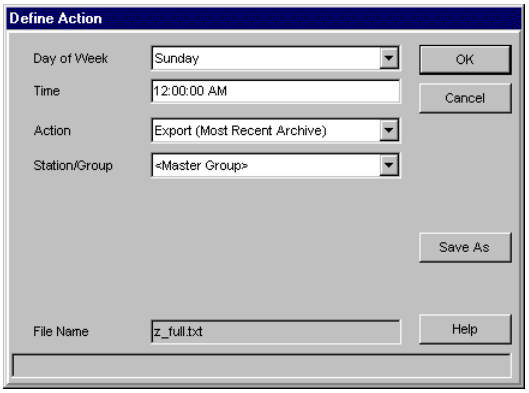
- If you select **Usage** or **Summary Report**, enter the **Days Ago**. The report includes archive records from the number of days ago until today.



- If you select **Interface**, choose **Enable** or **Disable**.



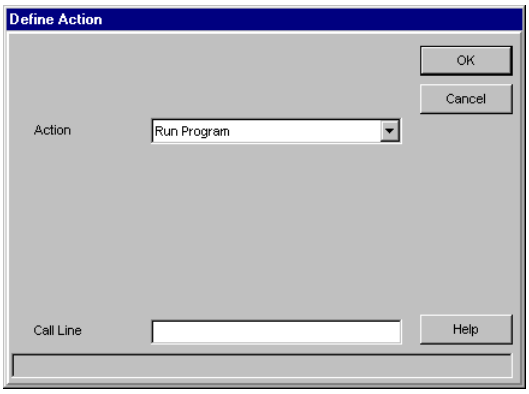
- If you select **Custom Report** or **Custom Export**, select the custom name.



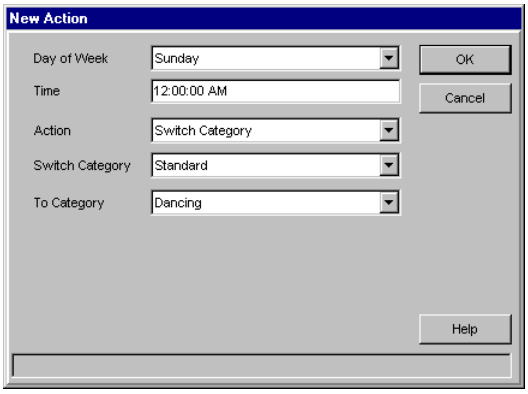
- If you select **Export**, click **Save As** to change the name of the export file.

- If you select **Inventory Check**, you should precede it with an **Archive and Clear Sales (Z)**. Make sure order point/par stock, order quantity and order cost are accurate. Orders will be printed and a Container Stock report run.

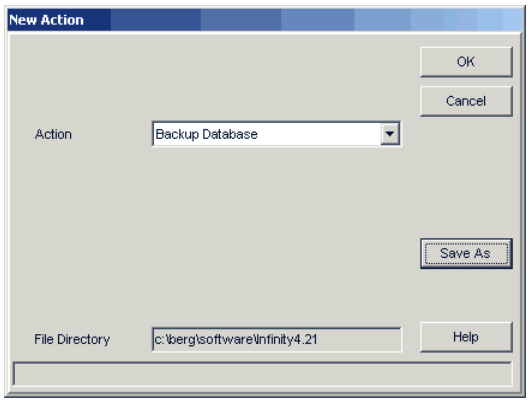
(continued on next page)



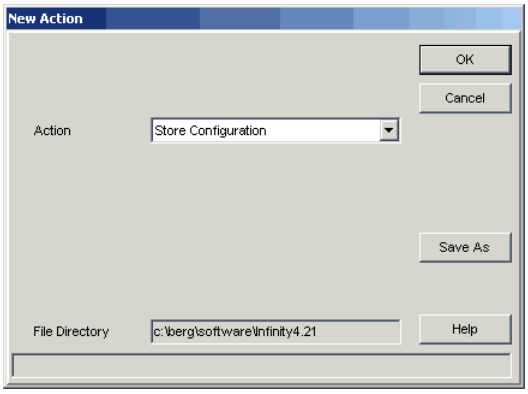
- If you select **Run Program**, enter the call line of the program.



- If you select **Switch Category**, select the "from" category and the "to" category.



- If you select **Backup Database**, click **Save As** to specify the backup location.

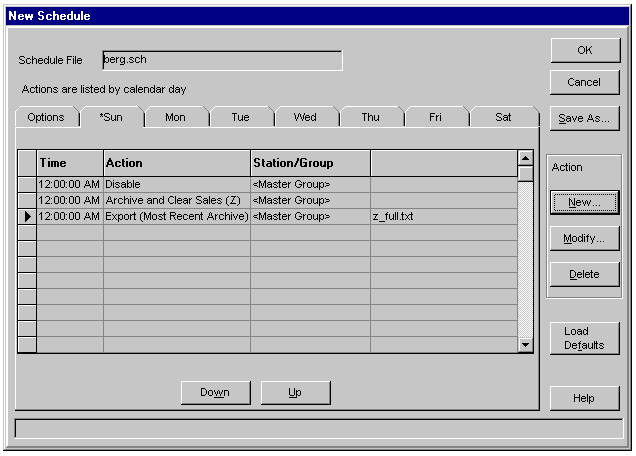


- If you select **Store Configuration**, click **Save As** to specify the store location.

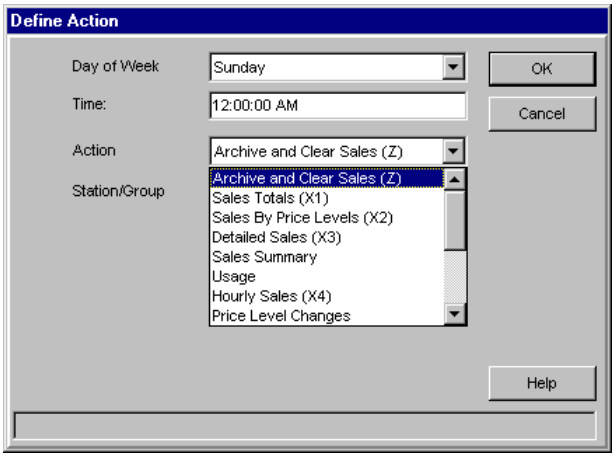
Modify Schedule screen.

2. Point the arrow cursor at the **Action** you want to replace.

Actions are performed in the order you list them on the tab so be sure you have the correct sequence.



3. Click **Modify...**.



4. Select a new **Day of Week** or type a new **Time** if necessary.
5. Select a new **Action** and **Station/Group**. Provide additional information if necessary.
6. Click **OK**. The new **Action** and **Station/Group** are added to the list, replacing the old ones.

■ To delete a schedule action:

1. Access the **New Schedule** or **Modify Schedule** screen.
2. Point the arrow cursor at the **Action** you want to remove.
3. Click **Delete**. The **Action** is removed from the list.

■ To rearrange schedule actions:

1. Access the **New Schedule** or **Modify Schedule** screen.
2. Point and click the arrow cursor at an **Action**.
3. Drag and drop the **Action** to the desired position or use the **Up** and **Down** buttons to move the selected **Action**.

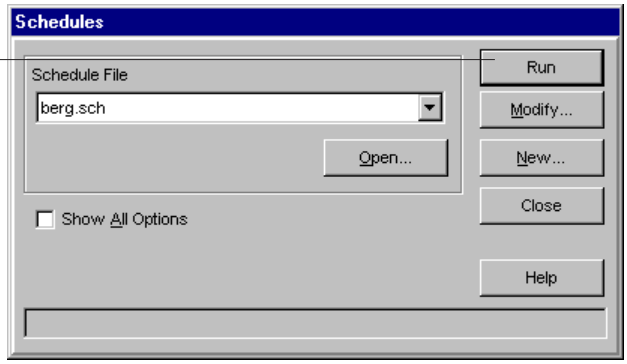
Run a Schedule

A schedule you've created (Time or Run Now) does not run until you tell the **Schedule** program to run it. You must start the **Schedule** program, select the schedule file you want and click **Run**. (If you want a schedule to run automatically, see the **Auto-Run** feature in the *Notes* of this task.) If you start a Run Now schedule, scheduled actions run as soon as you click **Run** on the **Schedules** screen. A Run Now schedule stops after performing its actions. Time schedules run continuously until you stop or pause them (unless you've included an Exit Schedule action). You can't perform tasks in other **Infinity** programs while a schedule is running unless you pause the schedule. You can always use other Windows applications.

■ To run a schedule:

1. Run **Schedule**.
2. Click **Schedules...**.

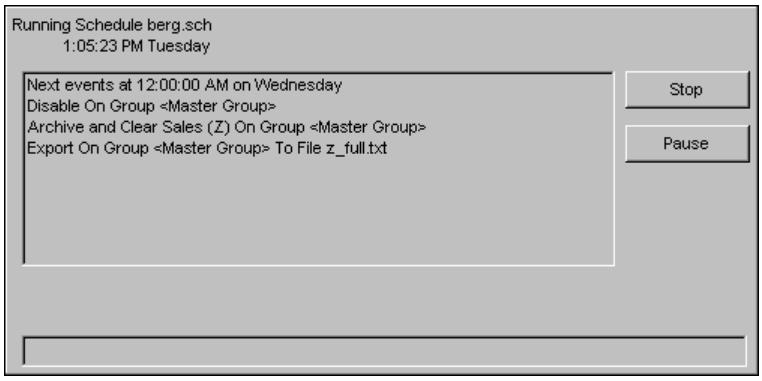
The schedule does not start until you click **Run**.



3. Select the schedule you want to run. (If the schedule is not in the drop-down menu, click **Open...** to find it.)
4. Click **Run**.

Screen Savers

- Screen savers are stopped whenever a schedule action is started. This prevents the possibility of the screen saver interfering with the scheduled actions.



A Time schedule displays the schedule name, the current time and day and the time of the next event in the schedule. A Run Now schedule displays a list of the events in the schedule and begins performing the first action. A Run Now schedule stops automatically when all actions are completed.

Schedule Window

- You can minimize the **Schedule** window to do other work in Windows—**Schedule** pops back up when it runs the next set of actions.

Printer

- The selected schedule must be running and the printer must be on at any times scheduled for reports (unless you selected **Save**).

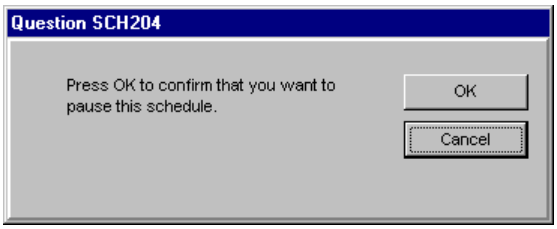
Modem

- If the schedule includes events that require remote network communications, the telephone line must be available during the scheduled communication.

Save Reports

- If you don't want the schedule to send reports to the printer, select **Save** when creating the schedule. The schedule will run the report at the specified time and print the report to a file. You can view and print the file by opening it in the **Report** program.

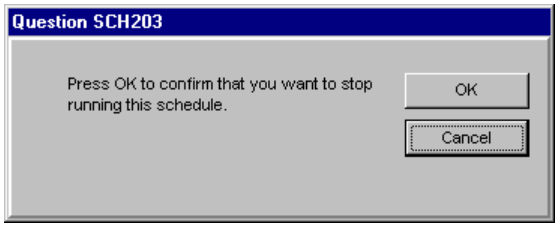
5. To pause a Time schedule, click **Pause**. (If you use password protection, a user name and password with a valid security level must be entered to stop a schedule.)



Click **OK** to confirm the pause.

You must click **OK** to restart the schedule. When the schedule is resumed, all actions that should have taken place during the paused time will be performed.

6. To stop a time schedule click **Stop**. (If you use password protection, a user name and password with a valid security level must be entered to stop a schedule.)



7. Click **OK** to confirm the stop.

Notes

❑ **Auto-Run**
If you plan to run a schedule continuously, select **Auto-Run** when you create the schedule. The schedule automatically runs whenever Windows is running. (For Windows NT, a user must log on before the schedule will run.)

❑ **Auto-Recovery**
If a running schedule is stopped due to a computer crash, power failure, etc., the schedule automatically recovers when the computer re-boots. Any events scheduled for times during the power outage are lost.

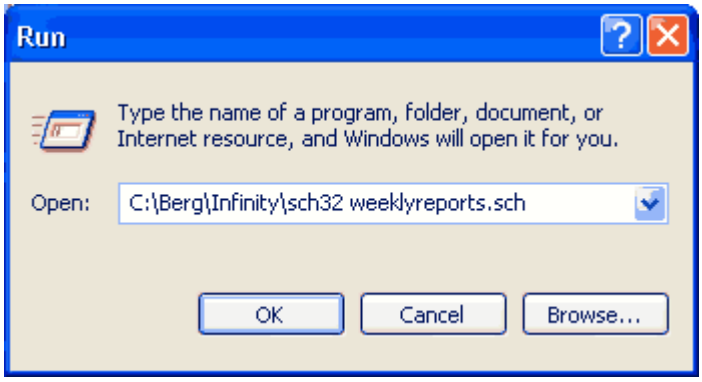
❑ **Command Line**
See *Run a Schedule from the Command Line* in this section.

Run a Schedule from the Command Line

You can start or stop a schedule you've created using your computer's operating system and without opening the **Schedule** program.

■ To run a schedule from the command line:

1. Access the **Start | Run** window or DOS or other command line vehicle.



2. Type the path and name of the **Schedule** program and the name of the schedule file (include the file path if different from the **Schedule** program).

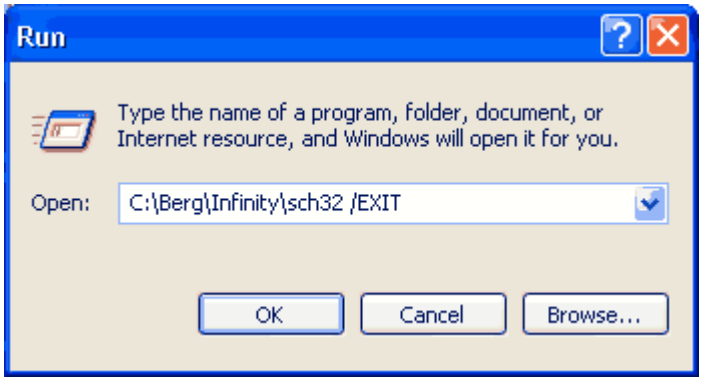
   Example: C:\Berg\Infinity\sch32 weeklyreports.sch

3. Click **OK** in the **Run** window or hit the Enter key in DOS.

   The schedule named is automatically started and the **Schedule** program minimized.

■ To stop a schedule from the command line:

1. Access the **Start | Run** window or DOS or other command line vehicle.



2. Type the path and name of the **Schedule** program and /EXIT.

   Example: C:\Berg\Infinity\sch32 /EXIT

3. Click **OK** in the **Run** window or hit the Enter key in DOS.

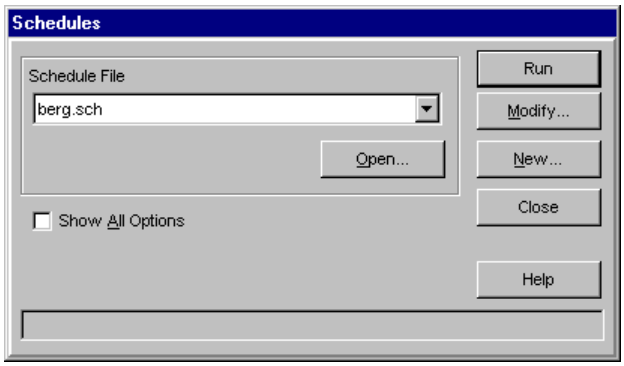
   The running schedule is stopped and the **Schedule** program closed. If the schedule is executing an action or any screen other than the main **Schedule** screen is open, the **Schedule** program is not exited and a message is displayed.

Modify a Schedule

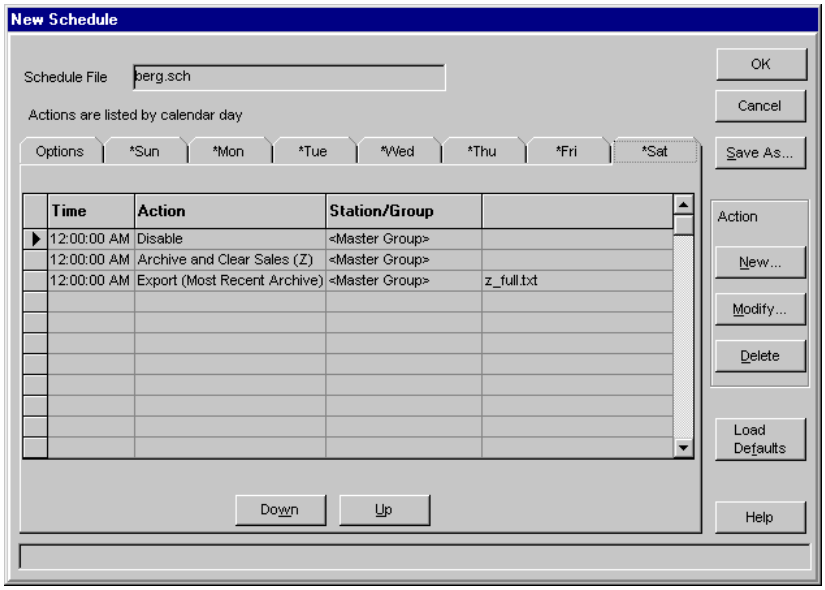
You can easily change the times or actions in a schedule if you need to modify it. You can also modify a schedule and save it with a new name if you want to keep both the original and modified schedules.

■ To modify a schedule:

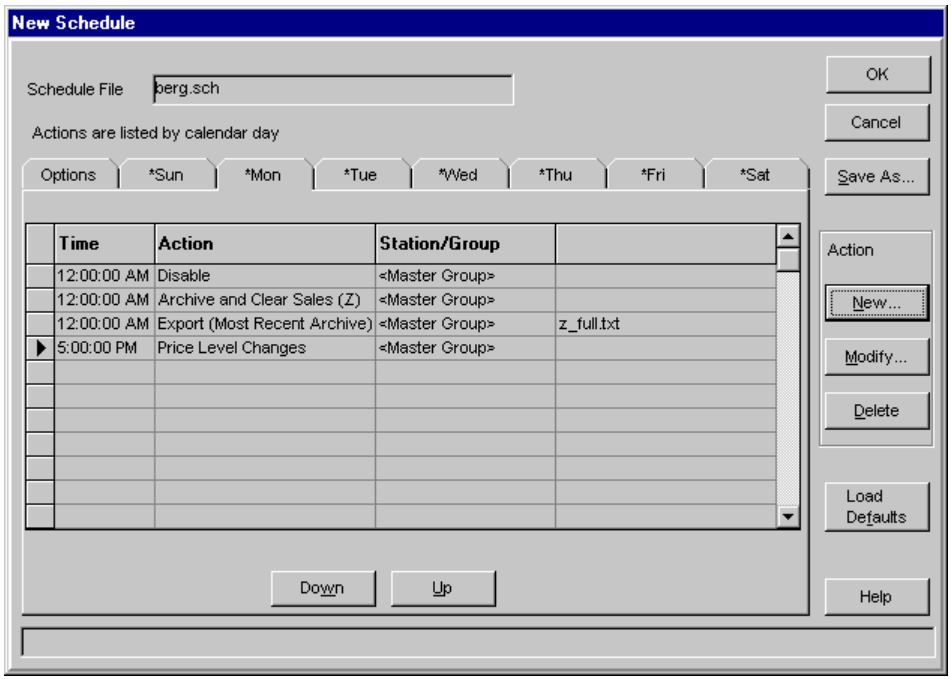
1. Run **Schedule**.
2. Click **Schedules...**.



3. Select the schedule you want to modify. (If the schedule is not in the drop-down menu, click **Open...** to find it.)
4. Click **Modify...**.



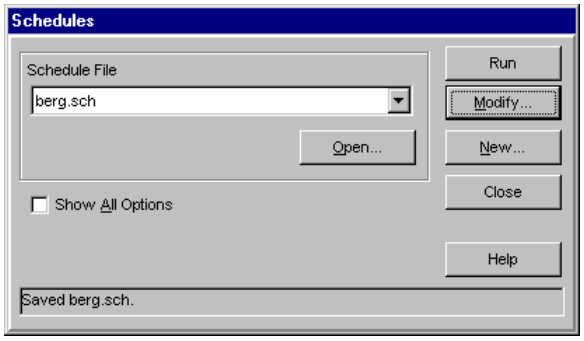
5. Make modifications to any actions you've defined for the schedule. See *Create a Time Schedule*, *Create a Run Now Schedule* or *Schedule Actions* in this section if you need help.



7. Click **OK** to save your changes or click **Cancel** to exit without saving.

   OR

   Click **Save As...** to give the modified schedule a new name. Type the new **File Name** and click **Save**. This leaves the original schedule intact if you haven't saved any modifications under the old name.



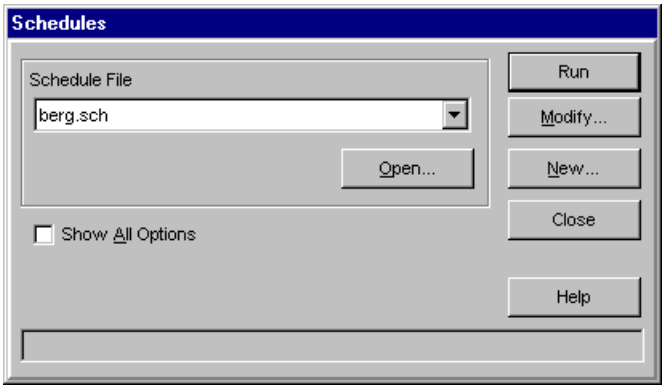
8. Click **Close** to exit the **Schedules** screen.

Print a Schedule

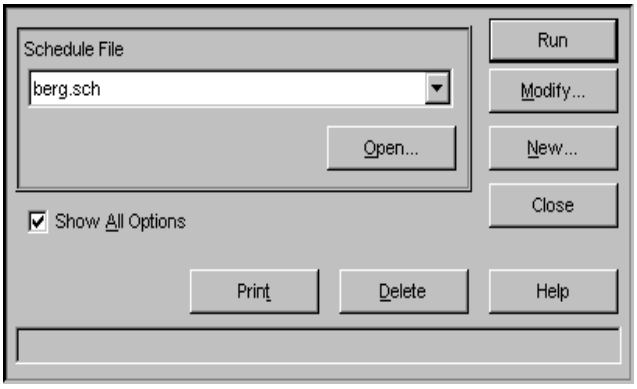
When you print a schedule you get a copy of all the times and actions included in the schedule.

■ To print a schedule:

1. Run **Schedule**.
2. Click **Schedules...**.



3. Select the schedule you want to print. (If the schedule is not in the drop-down menu, click **Open...** to find it.)
4. Select **Show All Options**.



5. Click **Print**. You'll be prompted to select a printer. The printer you select becomes your default printer for all programs running under Windows.
6. Click **Close** to exit the **Schedules** screen.

berg.sch

```
VERSION 40
OPTIONS
At 2:30:00 AM Sunday
GRP "<Master Group>"
DA
GRP "<Master Group>"
Z
GRP "<Master Group>"
EXP z_full.txt
At 10:00:00 AM Sunday
GRP "<Master Group>"
EA
At 3:00:00 PM Sunday
GRP "<Master Group>"
PB
At 7:00:00 PM Sunday
GRP "<Master Group>"
PC
At 2:30:00 AM Monday
GRP "<Master Group>"
DA
GRP "<Master Group>"
Z
GRP "<Master Group>"
EXP z_full.txt
```

The abbreviations used in the schedule are listed in the table with their associated actions.

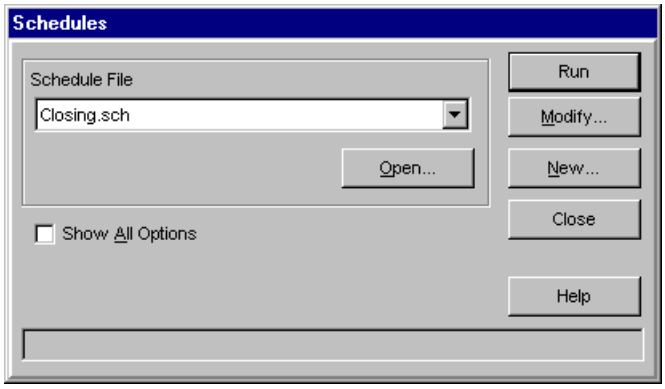
Action	Abbreviation
Archive and Clear Sales (Z)	Z
Sales Totals (X1)	X1 Z (most recent archive) X1 C (current)
Sales by Price Levels (X2)	X2 Z (most recent archive) X2 C (current)
Detailed Sales (X3)	X3 Z (most recent archive) X3 C (current)
Sales Summary	SR 'number of days ago '
Usage	UR 'number of days ago '
Hourly Sales (X4)	X4
Price Level Changes	PL
Export (Most Recent Archive)	EXP 'file name'
Enable	EA
Disable	DA
Change Price Level	PA (change to level A) PB (change to level B) PC (change to level C)
Interface	IF0 (disable) IF1 (enable)
Switch Category	STBL 'category 1' 'category 2'
Inventory Check	INV
Custom Report	CUST 'name of report'
Custom Export	CEXP 'name of export file'
Run Program	RUN 'name of program'
Exit Schedule	EXIT
Backup Database	BACKUP 'location'
Store Configuration	STORE 'location'

Delete a Schedule

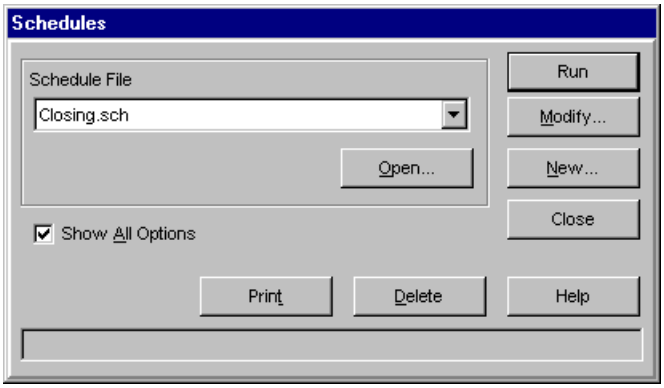
You can delete schedules you have created. You may want to do this if you have old, unused schedules taking up disk space.

To delete a schedule:

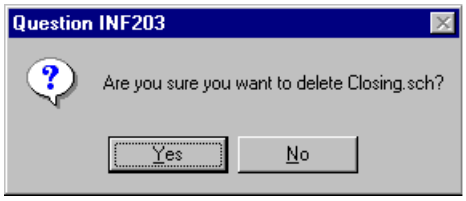
1. Run **Schedule**.
2. Click **Schedules...**.



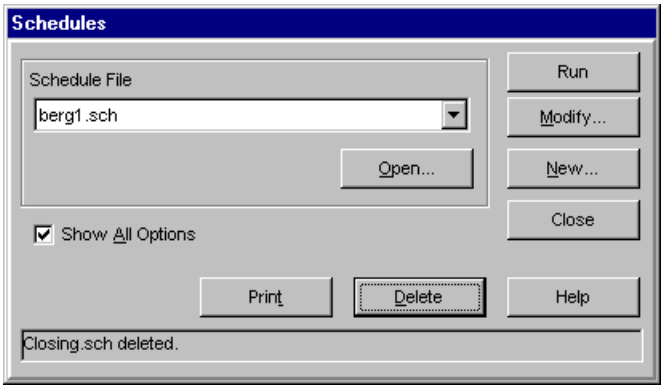
3. Select the schedule you want to delete. (If the schedule is not in the drop-down menu, click **Open...** to find it.)
4. Select **Show All Options**.



6. Click **Delete**.



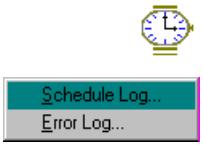
7. Click **Yes** to confirm the deletion or click **No** to cancel the deletion.



8. Click **Close** to exit the **Schedules** screen.

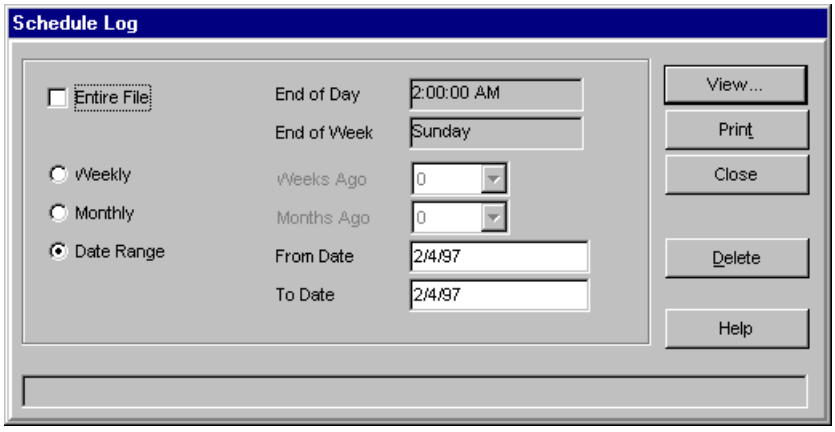
Schedule Log

The schedule log is a record of all schedule events. It provides the date(s) and time(s) schedules are started and stopped and all the actions the schedules perform. The schedule log storage length (how long **Infinity** continues to store events in the log) is set under Data Storage and Display Options during software installation. You can view all or a portion of the schedule log and delete all or a portion of it when you no longer need it. If you want to see more details about schedule errors see *Error Log* in this section.



■ To use the schedule log:

1. Run **Schedule**.
2. Pull down the **Logs** menu and click **Schedule Log...**.



3. Select the portion of the log you want to view, print or delete.

   Entire File is the complete schedule log. This could be a large file. Its size is determined by your schedule log storage length (how old the log is), the number of schedules you run, how often you start and stop them, the number of actions in your schedules, etc.

   Weekly is a selected business week of the log. (A business week is defined by the **End of Week** day.) The week can be the current week, 1, 2 or 3 weeks ago.

   Weeks Ago specifies which week's data to use. 0 is the current business week (from the first day of the week to today), 1 is the business week before the current week, 2 is the week before that, etc.

   Monthly is a selected calendar month of the log. The month reported on can be the current month or any month up to a year ago.

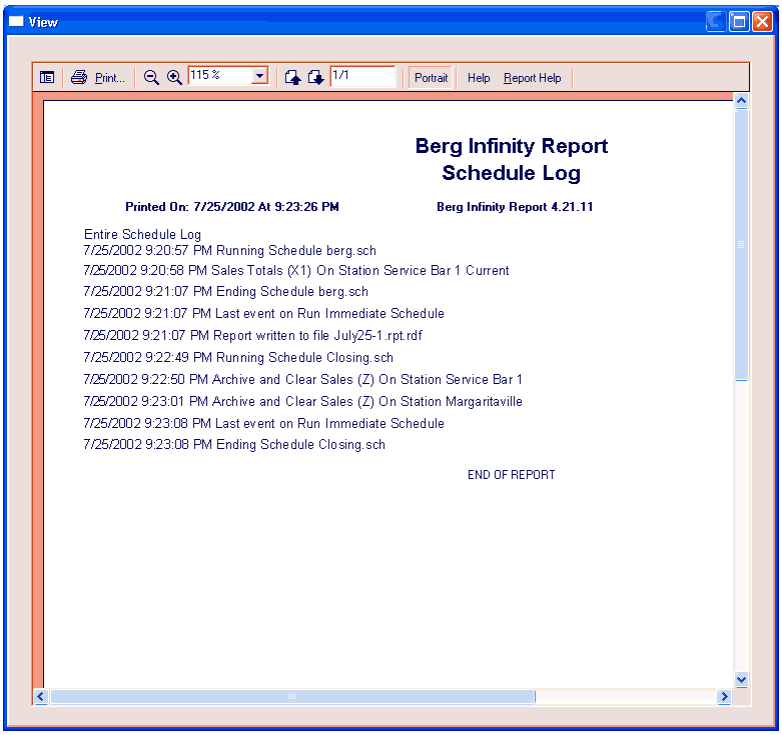
   Months Ago specifies which month's data to use. 0 is the

current month (from the first day of the month to today), 1 is the month before the current month, 2 is the month before that, etc.

Date Range is specific range of business days of the log. (A business day is defined by the **End of Day** time.)

■ To view the schedule log:

1. Click **View**.


View
Print...
115 %
1/1
Portrait
Help
Report Help
Berg Infinity Report
Schedule Log
Printed On: 7/25/2002 At 9:23:26 PM
Berg Infinity Report 4.21.11
Entire Schedule Log
7/25/2002 9:20:57 PM Running Schedule berg.sch
7/25/2002 9:20:58 PM Sales Totals (X1) On Station Service Bar 1 Current
7/25/2002 9:21:07 PM Ending Schedule berg.sch
7/25/2002 9:21:07 PM Last event on Run Immediate Schedule
7/25/2002 9:21:07 PM Report written to file July25-1.rpt.rdf
7/25/2002 9:22:49 PM Running Schedule Closing.sch
7/25/2002 9:22:50 PM Archive and Clear Sales (Z) On Station Service Bar 1
7/25/2002 9:23:01 PM Archive and Clear Sales (Z) On Station Margaritaville
7/25/2002 9:23:08 PM Last event on Run Immediate Schedule
7/25/2002 9:23:08 PM Ending Schedule Closing.sch
END OF REPORT

Navigate the report using:

Scroll bars (bottom and right of the report)

Zoom In and **Zoom Out** icons on the tool bar

Previous Page and **Next Page** icons on the tool bar (if the report has multiple pages)

Table of Contents icon on the tool bar (if the report has multiple pages)

Change the orientation of the report on the page using the **Portrait/Landscape** button.

You can maximize the screen by double-clicking the title bar.

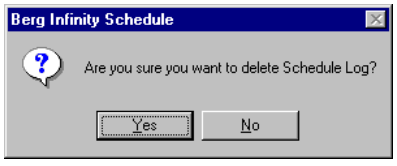
2. View the log in the **View** screen. Click **Close** to exit the **View** screen.

■ To print the schedule log:

1. Click **Print**. Select a **Printer Name**, **Print range** and number of **Copies** and click **OK**.

■ To delete the schedule log:

1. Click **Delete**.



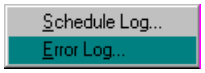
2. Click **Yes** to confirm the deletion or click **No** to cancel the deletion.

Error Log

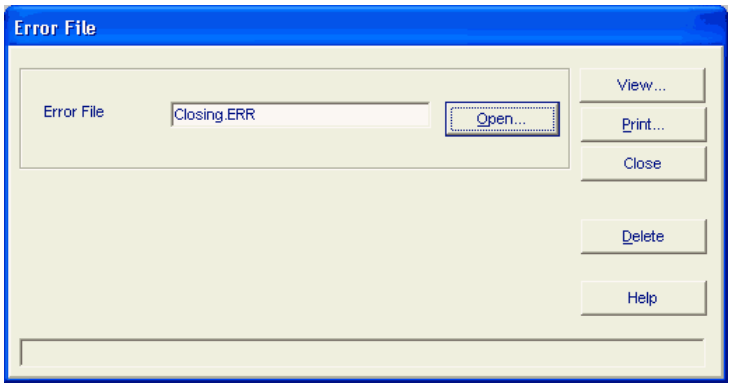
A schedule error log is a detailed listing of errors that occurred while a particular schedule was running. There is a different error log file for each schedule. The name of the error log file matches the name of the schedule and has a .ERR extension. The contents of this log is especially helpful during troubleshooting. This log is overwritten each time you start the same schedule so check the log before restarting a schedule if you're having problems.

■ To use the error log:

1. Run **Schedule**.

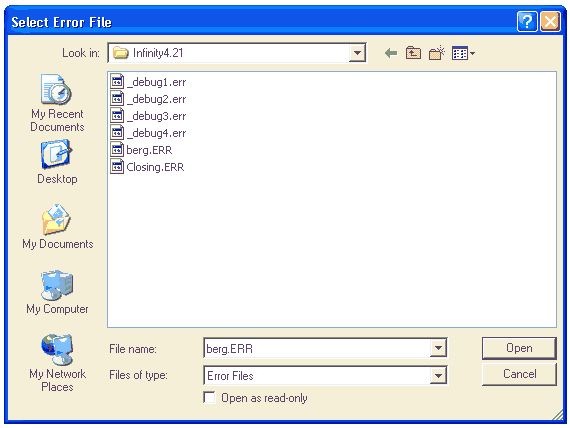


2. Pull down the **Logs** menu and click **Error Log...**.



3. Select the **Error File**. The name of an error log file matches the name of the schedule it pertains to (with a .ERR extension.)

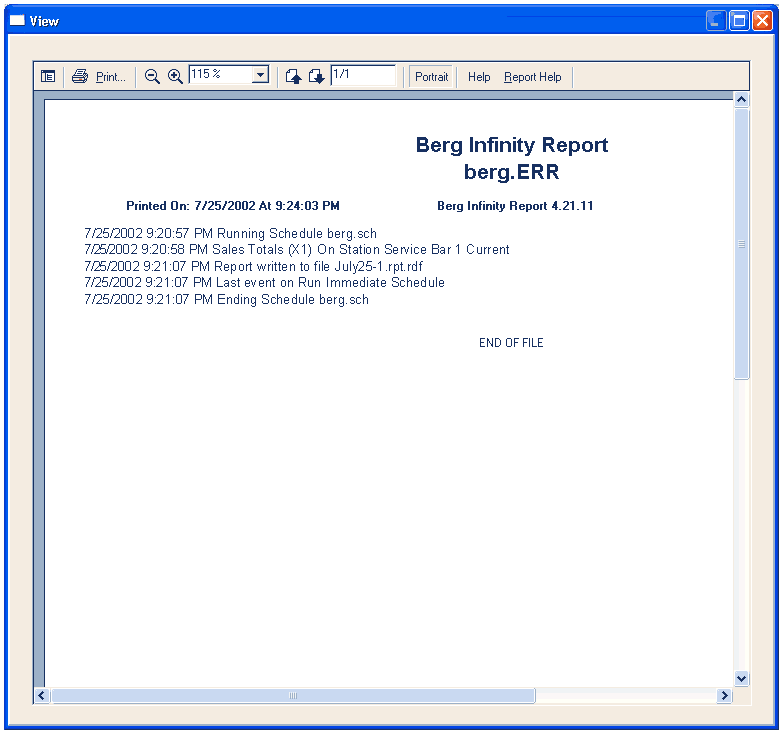
   Click **Open...** if the error log file name is not displayed.



   Select the file name and click **Open**.

To view the error log:

1. Click **View**.



Navigate the report using:

Scroll bars (bottom and right of the report)

Zoom In and **Zoom Out** icons on the tool bar

Previous Page and **Next Page** icons on the tool bar (if the report has multiple pages)

Table of Contents icon on the tool bar (if the report has multiple pages)

Change the orientation of the report on the page using the **Portrait/Landscape** button.

You can maximize the screen by double-clicking the title bar.

2. View the log in the **View** screen. Click **Close** to exit the **View** screen.

To print the error log:

1. Click **Print**. Select a **Printer Name**, **Print range** and number of **Copies** and click **OK**.

To delete the error log:

1. Click **Delete**.
2. Click **Yes** to confirm the deletion or click **No** to cancel the deletion.

SECTION

19 Database Management

It's important to backup and maintain your **Infinity** database. The database includes configuration and setup data you've entered and any accumulated archive sales records. Berg strongly recommends backing up all configuration and setup data as soon as you've set everything up. Then if something happens to the database or the computer you can simply reload your copy of setup data and not spend time re-entering everything. **Infinity** comes with a **Utilities** program to help perform database tasks. If, as a dealer, you enter setup information off-site, you can use the **Utilities** program to save setup data and reload it on the day of installation. This section provides help with the following tasks:

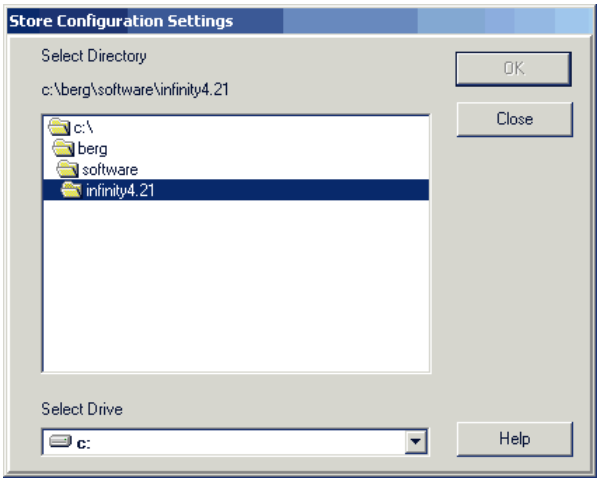
Store Configuration Settings 19-2
Reload Configuration Settings 19-4
Backup the Full Database 19-6
Restore the Full Database 19-8
Restore Previous Version 19-10
Clear Sales from the Database 19-12
Check the Database for Errors 19-14
Rebuild the Database Index Files 19-16
Rebuild the Database Delete Chain 19-17
Emergency Rebuild the Database 19-18
Repair the Database 19-19
Show File Versions 19-21
Compare ECU to Database 19-23
Display ECU 19-24
Clear Database Log 19-26

Store Configuration Settings

Infinity configuration settings include all configuration options you select during software installation, all equipment setup data (networks, ECUs, stations, groups), all calibration settings, all brand, price, portion and dispenser assignment data, system report options and schedules you have created (if any). Sales records and ordering information are not included in configuration settings. Perform this task after you've entered all your configuration settings and also anytime you change your configuration settings. This will give you a backup copy in case something happens to the **Infinity** configuration settings on your computer's hard drive. You should also perform this task as a dealer if you are entering customer configuration settings off-site prior to installation.

To store configuration settings:

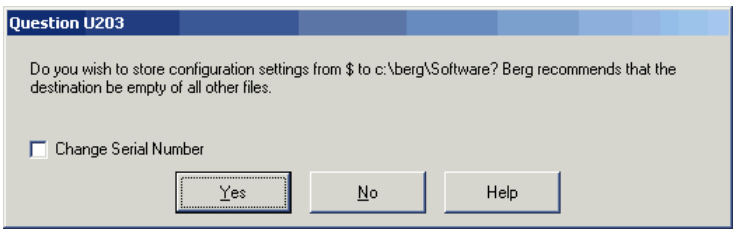
1. Run **Utilities**.
2. Pull down the **Backups** menu. Click **Store Configuration...**.



3. Insert the backup disk into the selected drive.

   It's a good idea to store a copy of configuration settings on a separate CD or other disk rather than on your hard drive.

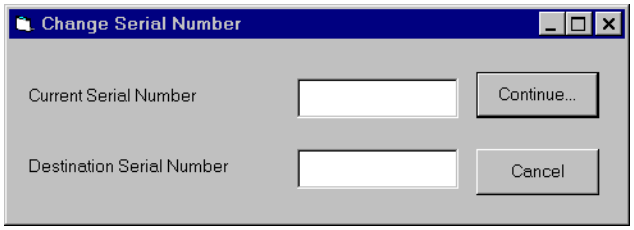
4. Select the **Drive** letter and folder of the backup disk.
5. Click **OK**.


Question U203
Do you wish to store configuration settings from $ to c:\berg\Software? Berg recommends that the destination be empty of all other files.
Change Serial Number
Yes
No
Help

6. Select **Change Serial Number** if you want to type in a different serial number for the configuration settings.

Use this option as a dealer to save the settings with the customer's serial number rather than your own. See *Preconfigure Software Files* in the *Getting Started* section.

7. Click **Yes** to confirm the store procedure.



8. If prompted, type the **Current Serial Number** and the **Destination Serial Number** and click **Continue...**.

   The current serial number is the serial number of the **Infinity** program you're using. The destination serial number should match the customer's **Infinity** database.

9. Remove the backup disk. Clearly label the disk and store it in a safe place.

Note

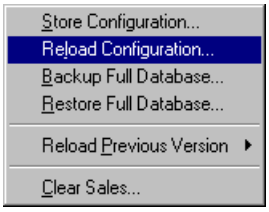
- Storing configuration settings with the correct serial number is very important. You should only reload configuration settings at an installation site that have the same serial number and version of software as the customer's copy of **Infinity**.

Reload Configuration Settings

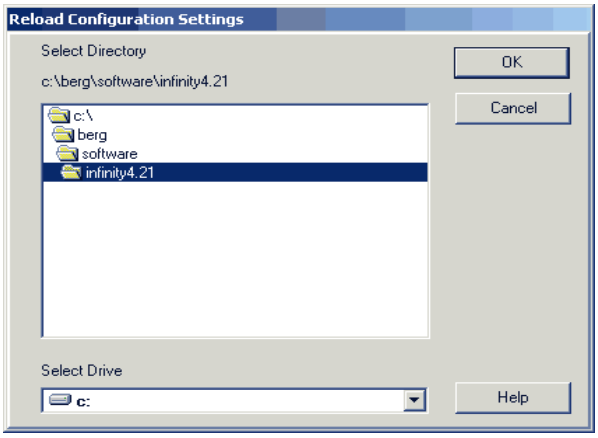
Perform this task when you need to reload a previously saved copy of **Infinity** configuration settings to your hard drive. As a dealer, use this procedure to load configuration settings you've entered and saved at your office onto the computer at the customer site. You must have previously stored configuration settings to perform this task. Reloading configuration settings replaces any existing configuration settings. These settings do not include any sales records. For a list of configuration settings, see *Store Configuration Settings* in this section.

To reload configuration settings:

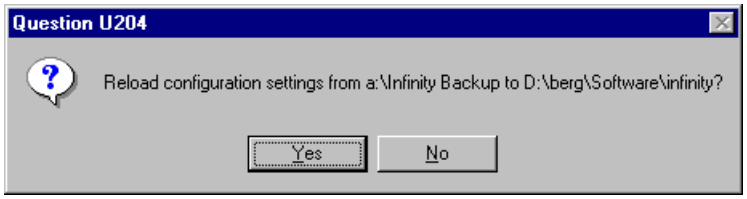
1. Run **Utilities**.



2. Pull down the **Backups** menu. Click **Reload Configuration...**.



3. Insert the backup disk into the selected drive.
4. Select the **Drive** letter of the backup disk and the folder where you've stored the backup copy.
5. Click **OK**.



6. Click **Yes** to confirm the reload procedure.

   Wait while the files are reloaded on the hard drive.

7. Remove the backup disk.

Notes

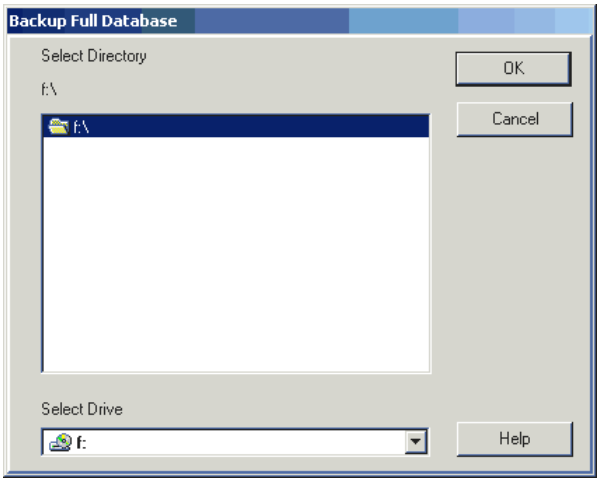
- If the serial number of the reloaded configuration settings does not match the serial number of the existing database, the **Infinity** programs will not run.
- If you attempt to reload settings from a different version of software, an error message will prevent you from doing so.

Backup the Full Database

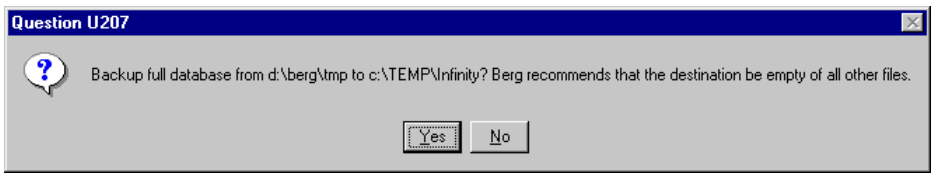
This procedure copies all configuration and setup data and any accumulated sales records and any Inventory information. The amount of space required for the backup depends on the size of your database. Perform this procedure regularly if archive sales records are essential to the management of your business. If you want a complete, current copy of your database you need to back it up every time you clear sales at the ECUs or make any changes to configuration and setup data. If you don't need archive sales records or you use printed reports for your backup records, you don't need to perform a full database backup. Use the procedure outlined in *Store Configuration Settings* in this section.

To backup the full database:

1. Run **Utilities**.
2. Pull down the **Backups** menu. Click **Backup Full Database...**.



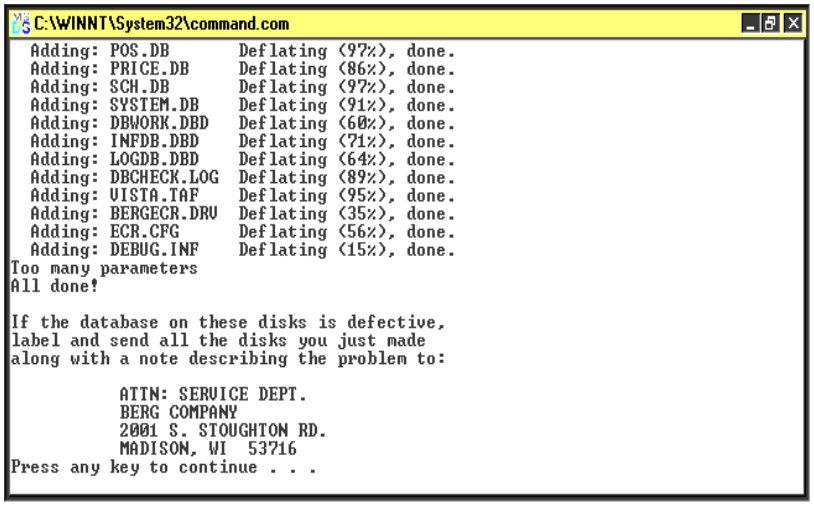
4. Select the **Drive** letter and folder for the backup.
5. Click **OK**.


Question U207
Backup full database from d:\berg\tmp to c:\TEMP\Infinity? Berg recommends that the destination be empty of all other files.
Yes
No

4. Click **Yes** to continue.

If prompted, insert any backup disks into the selected drive.

The files are compressed (deflated) to minimize the space required. If you reload the files, they will be expanded (inflated).


C:\WINNT\System32\command.com
Adding: POS.DB Deflating (97%), done.
Adding: PRICE.DB Deflating (86%), done.
Adding: SCH.DB Deflating (97%), done.
Adding: SYSTEM.DB Deflating (91%), done.
Adding: DBWORK.DBD Deflating (60%), done.
Adding: INFDB.DBD Deflating (71%), done.
Adding: LOGDB.DBD Deflating (64%), done.
Adding: DBCHECK.LOG Deflating (89%), done.
Adding: VISTA.TAF Deflating (95%), done.
Adding: BERGECR.DRV Deflating (35%), done.
Adding: ECR.CFG Deflating (56%), done.
Adding: DEBUG.INF Deflating (15%), done.
Too many parameters
All done!
If the database on these disks is defective,
label and send all the disks you just made
along with a note describing the problem to:
ATTN: SERVICE DEPT.
BERG COMPANY
2001 S. STOUGHTON RD.
MADISON, WI 53716
Press any key to continue . . .

Wait while the files are copied to the selected destination.

5. Press any key when the backup is complete.

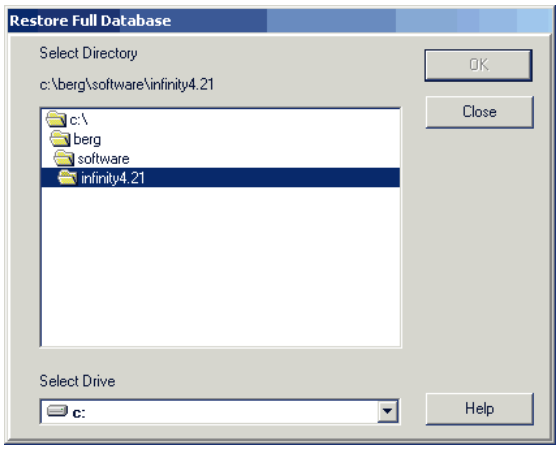
If you copied to disks, remove and clearly label them with the date of the backup and the number of the disk.

Restore the Full Database

You can only perform this procedure if you've previously backed up a full database. The only reason you'd ever want to restore the database from a backup is if something happens to your system database. Restoring a full database replaces all existing setup and sales data with the data in the backup copy. If your backup copy of the database is not current when you use it to restore the database, you'll lose any archive sales data and orders made since the date of the backup.

To restore a full database:

1. Run **Utilities**.
2. Pull down the **Backups** menu. Click **Restore Full Database...**.

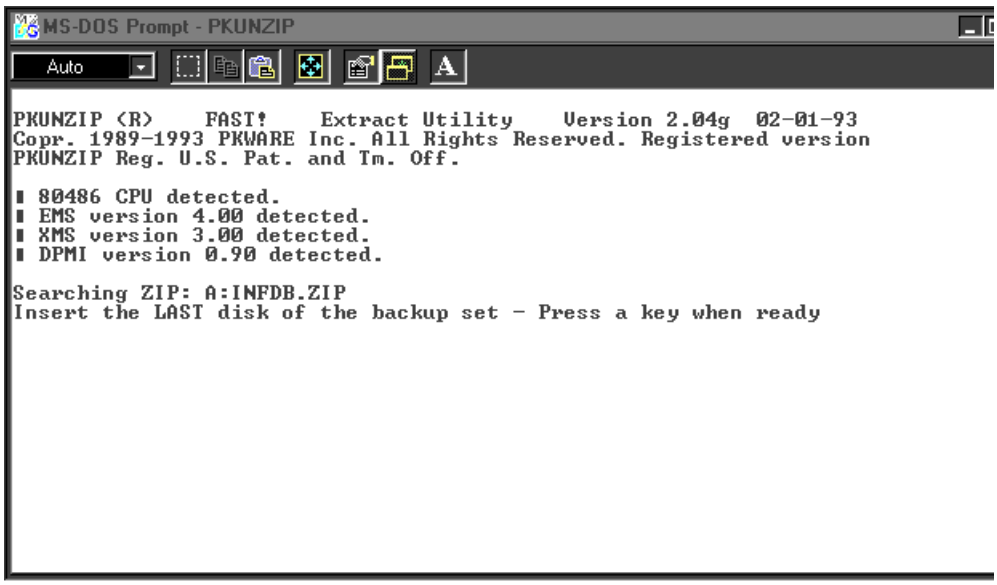


3. Select the drive and folder of the backup database.
4. Click **OK**.

Question U202
This procedure will completely overwrite your database in C:\Berg Company\Infinity with a previously stored copy in C:\TEMP\Infinity. Are you sure you wish to do this?
Yes
No

5. Click **Yes** to confirm the restore procedure.
6. Insert the last disk of the backup set into the selected drive.
7. Press any key to continue.

   Wait while the files are copied from the disk to the hard drive.
8. Insert additional backup disks and press any key as prompted.
9. Remove the last backup disk.

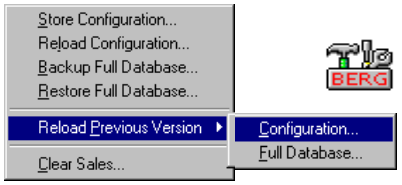

MS-DOS Prompt - PKUNZIP
Auto
PKUNZIP (R) FAST! Extract Utility Version 2.04g 02-01-93
Copr. 1989-1993 PKWARE Inc. All Rights Reserved. Registered version
PKUNZIP Reg. U.S. Pat. and Tm. Off.
80486 CPU detected.
EMS version 4.00 detected.
XMS version 3.00 detected.
DPMI version 0.90 detected.
Searching ZIP: A:INFDB.ZIP
Insert the LAST disk of the backup set - Press a key when ready

Notes

- If the serial number of the restored database does not match the serial number of the existing database, the **Infinity** programs will not run.
- If you attempt to restore a database from a different version of software, an error message will prevent you from doing so.

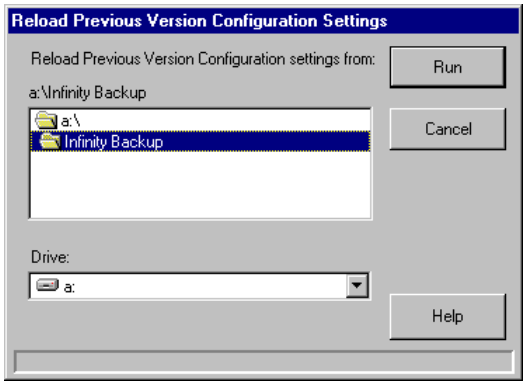
Restore Previous Version

Perform this task ONLY if it becomes necessary when upgrading to a new version of **Infinity** on a new computer. The proper way to upgrade is to move your **Infinity** directory to the new computer and *then* upgrade to the new **Infinity** version. If you didn't do this, your old database is not compatible with the new version. In this case, you can use Restore Previous Version to restore your previous version configuration settings or full database on the new computer. After performing this task, you MUST re-install the new **Infinity** upgrade.

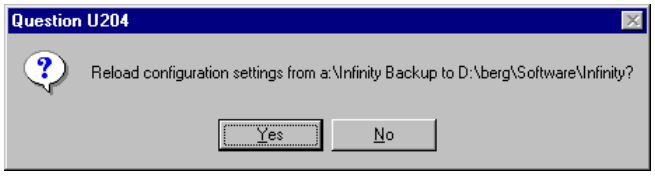


To restore a previous version (configuration):

1. Run **Utilities**.
2. Pull down the **Backups** menu and point to **Reload Previous Version**. Click **Configuration...** to reload configuration settings from the old database.



3. Insert the backup disk into the selected drive if required.
4. Select the **Drive** letter of the backup disk and the folder where you've stored the backup copy.
5. Click **Run**.



6. Click **Yes** to confirm the file path.

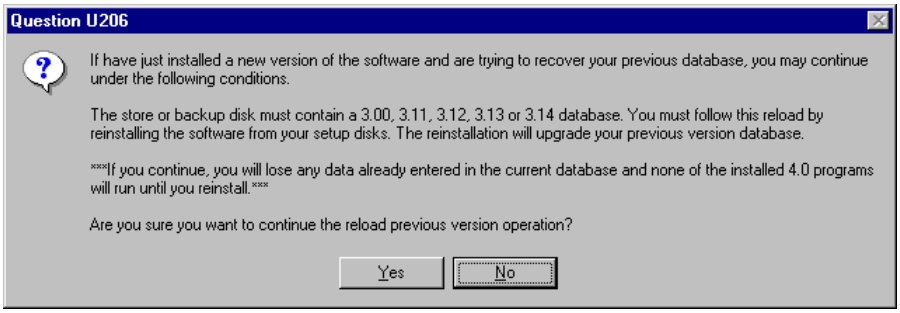
Warning!

Perform this procedure only under these circumstances:

- You haven't copied your old version of **Infinity** to your new computer.
- You've already installed an upgraded version of **Infinity** on the new computer.

(Do not use this procedure for routine reloading of configuration settings or a full database.)

- You must re-install the Infinity upgrade on your new computer after performing this procedure.

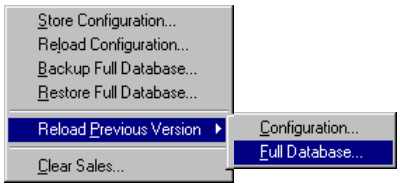

Question U206
If have just installed a new version of the software and are trying to recover your previous database, you may continue under the following conditions.
The store or backup disk must contain a 3.00, 3.11, 3.12, 3.13 or 3.14 database. You must follow this reload by reinstalling the software from your setup disks. The reinstallation will upgrade your previous version database.
If you continue, you will lose any data already entered in the current database and none of the installed 4.0 programs will run until you reinstall.
Are you sure you want to continue the reload previous version operation?
Yes
No

7. Click **Yes** to confirm the restore procedure.

   Wait while the files are copied from to the hard drive.

8. Remove the backup disk if necessary.

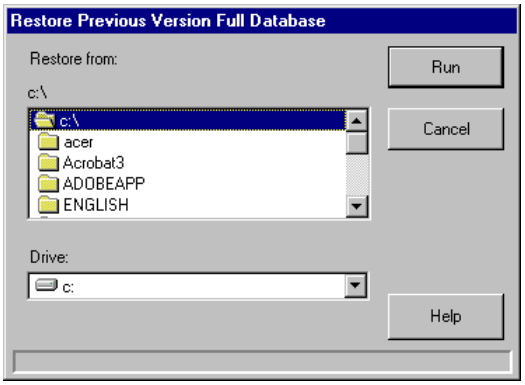
9. Re-install the new version of **Infinity**.



■ To restore a previous version (full database):

1. Run **Utilities**.

2. Pull down the **Backups** menu and point to **Reload Previous Version**. Click **Full Database...** to restore the old



   database.

3. Select the drive and folder of the previous version.

4. Click **Run** to restore the previous version.

5. If necessary, insert the last disk of the backup set into the selected drive. Press any key to continue.

6. Wait while the files are copied to the hard drive.

7. If necessary, insert additional backup disks and press any key as prompted.

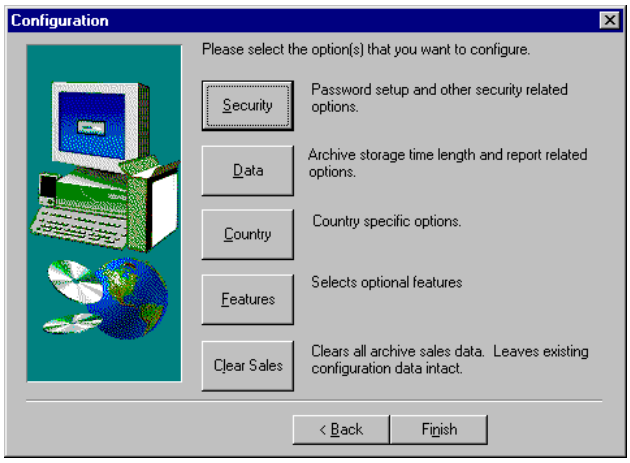
8. Remove any backup disks.

Clear Sales from the Database

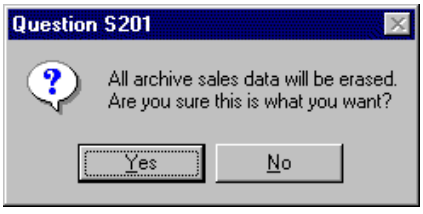
Perform this task *only* when you want to erase all archive sales records from the computer's hard drive. You may be directed to do this by Berg personnel or you may do it at regular intervals to clear old records from the computer and make room for new ones. Clearing sales from the database does not affect any configuration or setup data. You can only perform this task with setup disk(s). Old sales records can be automatically cleared from the database by setting the appropriate archive record storage length. See *Enter Data Storage and Display Options* in the *Configuration Options* section.

■ To clear sales from the database:

1. Access **Configuration** options. See *Access Configuration Options* in the *Configuration Options* section.



2. Click **Clear Sales**.



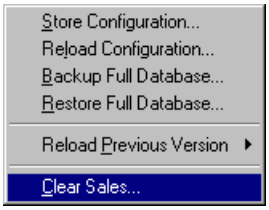
3. Click **Yes** to confirm the deletion of all sales records from the computer.

4. Click **OK** when you've read the clear sales completion message.

5. Click **Finish to** exit the **Configuration** screen.

Notes

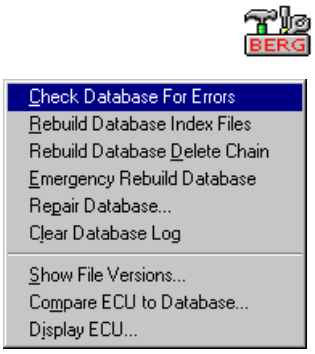
- Don't forget to remove the setup disk from the drive.



- Although there is a menu item for **Clear Sales...** in the **Utilities** program, it only directs you to Configuration options. You can't clear sales from the **Utilities** program.

Check the Database for Errors

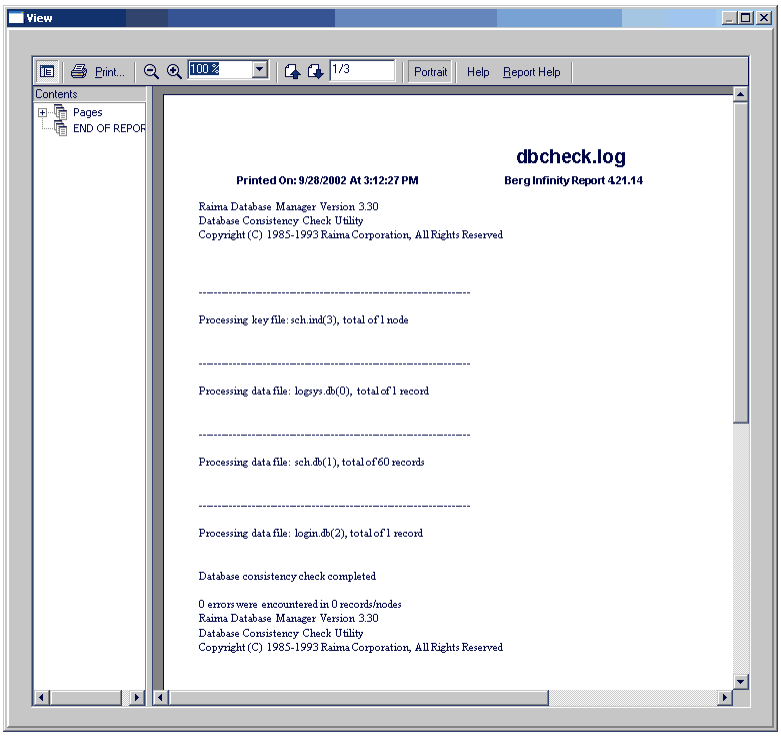
You'll probably only perform the tasks listed in the **Diagnostics** menu of the **Utilities** program if directed to do so by Berg personnel. Checking the database for errors may help when troubleshooting database problems as it searches for errors in the structure of the database. It's one of the first steps in diagnosing a problem.



To check the database for errors:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Check Database for Errors**.

   The results appear in an output file called **dbcheck.log**. You can view, print and/or save **dbcheck.log** as directed by Berg personnel.


View
Print...
100%
1/3
Portrait
Help
Report Help
Contents
Pages
END OF REPOR
dbcheck.log
Printed On: 9/28/2002 At 3:12:27 PM
Berg Infinity Report 4.21.14
Raima Database Manager Version 3.30
Database Consistency Check Utility
Copyright (C) 1985-1993 Raima Corporation, All Rights Reserved
Processing key file: sch.ind(3), total of 1 node
Processing data file: logsys.db(0), total of 1 record
Processing data file: sch.db(1), total of 60 records
Processing data file: login.db(2), total of 1 record
Database consistency check completed
0 errors were encountered in 0 records/nodes
Raima Database Manager Version 3.30
Database Consistency Check Utility
Copyright (C) 1985-1993 Raima Corporation, All Rights Reserved

3. To save the log to a file click **Save As....** Enter the file name and click **Save**.

   The log is saved with the formatting information of the current default printer.

   Saved files can be opened by clicking **Open** on the **View** screen or the **Reports** screen.

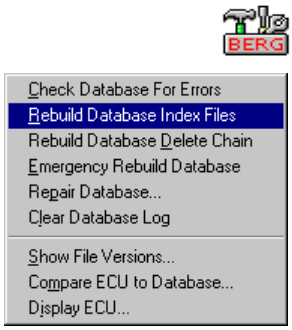
4. To print the log click **Print**.

   You'll be prompted to select a printer. The printer you select becomes your default printer for all programs running under Windows. If the log has multiple pages you can also select a page range.

6. Click **Close** to exit the **View** screen.

Rebuild the Database Index Files

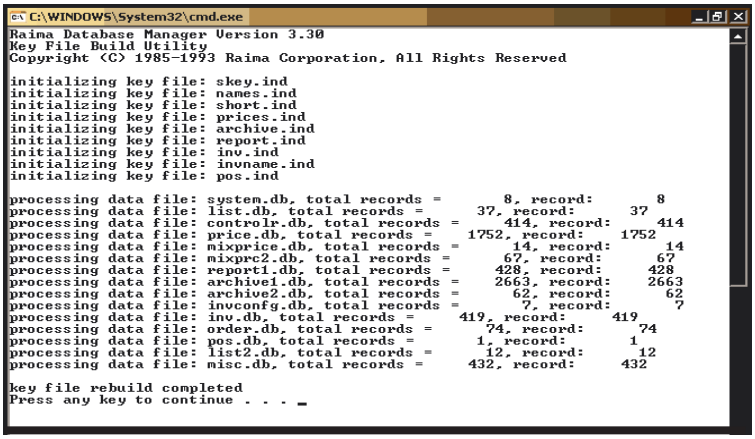
You'll probably only perform the tasks listed in the **Diagnostics** menu of the **Utilities** program if directed to do so by Berg personnel. You may be directed to perform this procedure after checking the database for errors. Rebuilding index files does not change or delete any setup or sales data.



To rebuild database index files:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Rebuild Database Index Files**.

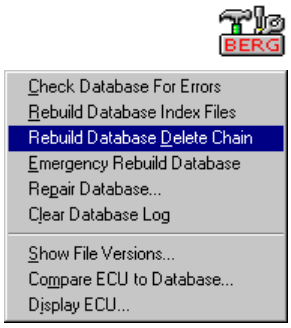
   Wait while the procedure is completed.


C:\WINDOWS\System32\cmd.exe
Raima Database Manager Version 3.30
Key File Build Utility
Copyright (C) 1985-1993 Raima Corporation, All Rights Reserved
initializing key file: skey.ind
initializing key file: names.ind
initializing key file: short.ind
initializing key file: prices.ind
initializing key file: archive.ind
initializing key file: report.ind
initializing key file: inv.ind
initializing key file: invname.ind
initializing key file: pos.ind
processing data file: system.db, total records = 8, record: 8
processing data file: list.db, total records = 37, record: 37
processing data file: controlr.db, total records = 414, record: 414
processing data file: price.db, total records = 1752, record: 1752
processing data file: mixprice.db, total records = 14, record: 14
processing data file: mixprc2.db, total records = 67, record: 67
processing data file: report1.db, total records = 428, record: 428
processing data file: archive1.db, total records = 2663, record: 2663
processing data file: archive2.db, total records = 62, record: 62
processing data file: invconfg.db, total records = 7, record: 7
processing data file: inv.db, total records = 419, record: 419
processing data file: order.db, total records = 74, record: 74
processing data file: pos.db, total records = 1, record: 1
processing data file: list2.db, total records = 12, record: 12
processing data file: misc.db, total records = 432, record: 432
key file rebuild completed
Press any key to continue . . .

3. View the results.
4. Press any key to close the **MS-DOS** window.

Rebuild the Database Delete Chain

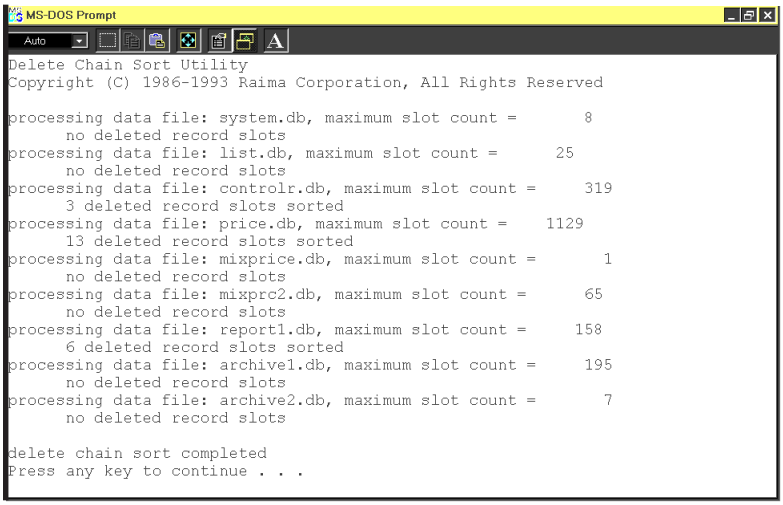
You'll probably only perform the tasks listed in the **Diagnostics** menu of the **Utilities** program if directed to do so by Berg personnel. You may be directed to perform this procedure after checking the database for errors. Rebuilding the delete chain does not change or delete any setup or sales data.



To rebuild the database delete chain:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Rebuild Database Delete Chain**.

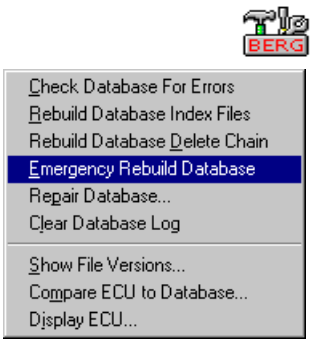
   Wait while the procedure is completed.


MS-DOS Prompt
Auto
Delete Chain Sort Utility
Copyright (C) 1986-1993 Raima Corporation, All Rights Reserved
processing data file: system.db, maximum slot count = 8
no deleted record slots
processing data file: list.db, maximum slot count = 25
no deleted record slots
processing data file: controlr.db, maximum slot count = 319
3 deleted record slots sorted
processing data file: price.db, maximum slot count = 1129
13 deleted record slots sorted
processing data file: mixprice.db, maximum slot count = 1
no deleted record slots
processing data file: mixprc2.db, maximum slot count = 65
no deleted record slots
processing data file: report1.db, maximum slot count = 158
6 deleted record slots sorted
processing data file: archive1.db, maximum slot count = 195
no deleted record slots
processing data file: archive2.db, maximum slot count = 7
no deleted record slots
delete chain sort completed
Press any key to continue . . .

3. View the results.
4. Press any key to close the **MS-DOS** window.

Emergency Rebuild the Database

You'll probably only perform the tasks listed in the **Diagnostics** menu of the **Utilities** program if directed to do so by Berg personnel. You may be directed to perform this procedure after checking the database for errors. This procedure is considered emergency because you don't want to perform it unless you've exhausted other possible solutions. If you are directed to perform this procedure, you'll want to backup your database first because the rebuild may result in a loss of data. See *Backup the Full Database* in this section.

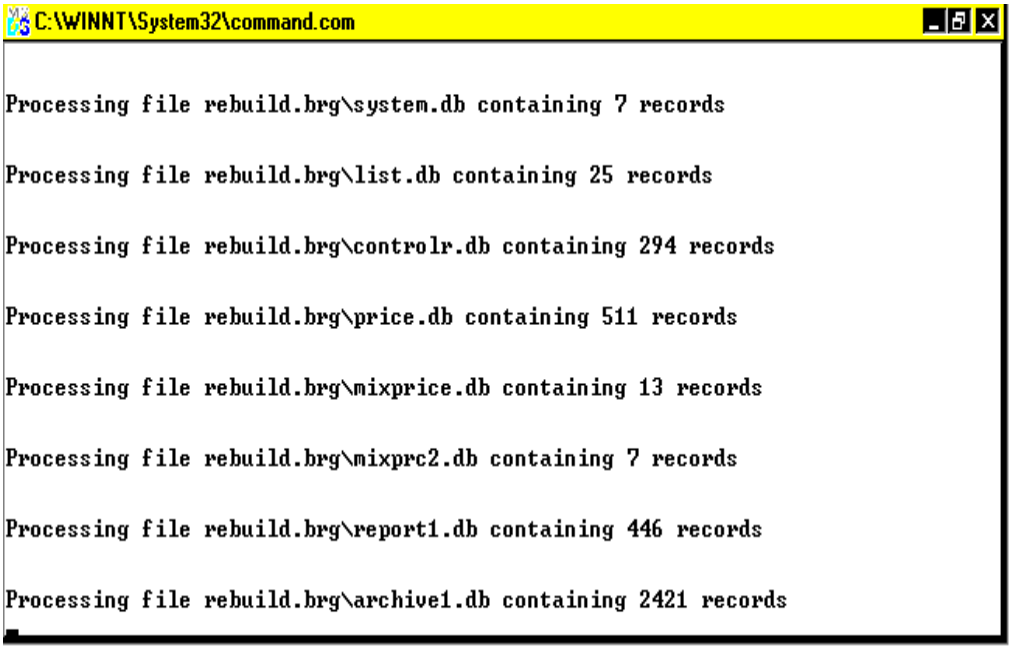


To perform an emergency rebuild of the database:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Emergency Rebuild Database**.

Question U205
If there are errors in the database, this operation may result in loss of data. Berg recommends you Backup full database before continuing. Do you wish to continue?
Yes
No
Help

3. Click **Yes** to confirm the rebuild or **No** to cancel the process.

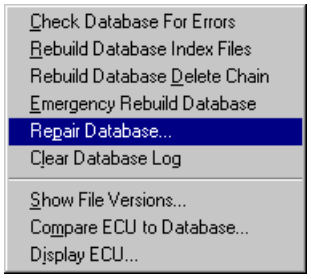

C:\WINNT\System32\command.com
Processing file rebuild.brg\system.db containing 7 records
Processing file rebuild.brg\list.db containing 25 records
Processing file rebuild.brg\controlr.db containing 294 records
Processing file rebuild.brg\price.db containing 511 records
Processing file rebuild.brg\mixprice.db containing 13 records
Processing file rebuild.brg\mixprc2.db containing 7 records
Processing file rebuild.brg\report1.db containing 446 records
Processing file rebuild.brg\archive1.db containing 2421 records

Wait while the database is rebuilt. The window closes automatically when finished.

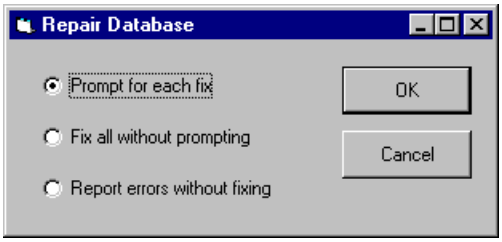
Repair the Database

You'll probably only perform the tasks listed in the **Diagnostics** menu of the **Utilities** program if directed to do so by Berg personnel. You may be directed to perform this procedure after checking the database for errors and rebuilding index files. This procedure searches for inconsistencies in the actual data of the database (e.g., a dispenser not assigned to an ECU). You can choose to view the errors only or fix them. Fix the errors only if you are directed to do so by Berg personnel. You may also be directed to backup your database before performing this task.

To repair the database:



1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Repair Database...**.



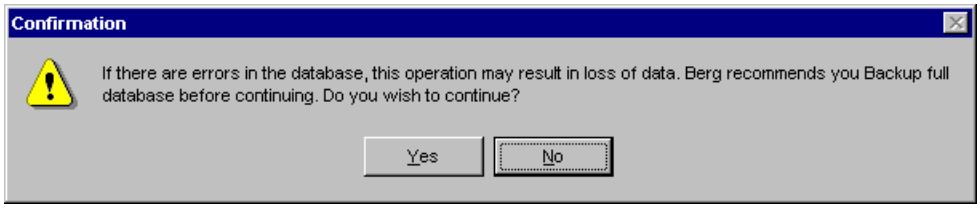
3. Select a repair option.

   Prompt for each fix prompts you each time an error is found. You can then choose to fix the error or not. If your database is large or has lots of errors, this option can take a long time.

   Fix all without prompting finds errors and fixes them without waiting for confirmation. Select this option only if directed by Berg personnel.

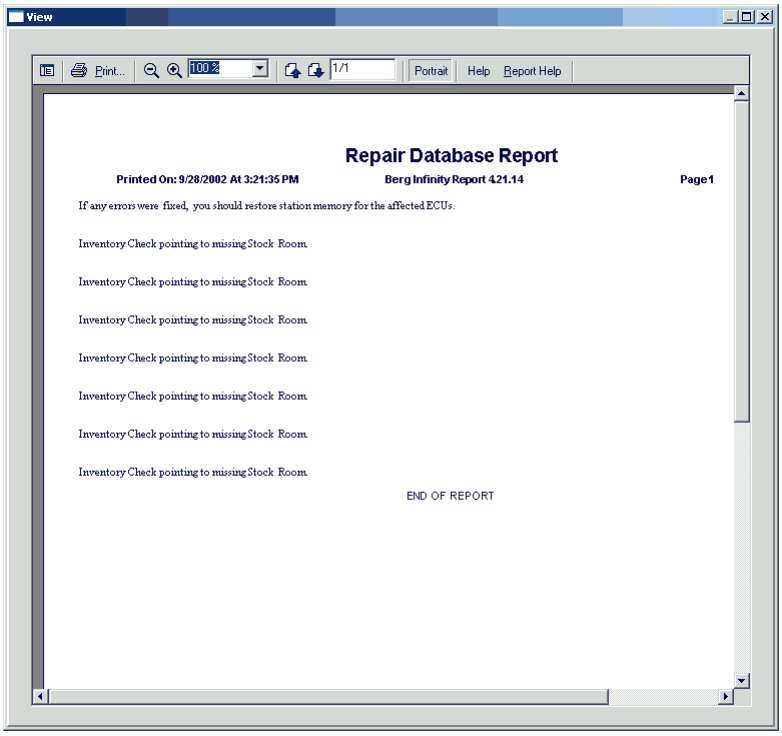
   Report errors without fixing finds errors in the database and lists them without changing anything. You can safely select this option anytime.

4. Click **OK**.


Confirmation
If there are errors in the database, this operation may result in loss of data. Berg recommends you Backup full database before continuing. Do you wish to continue?
Yes
No

5. Click **Yes** to continue with the repair process (if you've been directed to do so). Click **No** if you want to exit the process.

(continued on next page)


View
Print...
100%
1/1
Portrait
Help
Report Help
Repair Database Report
Printed On: 9/28/2002 At 3:21:35 PM
Berg Infinity Report 4.21.14
Page1
If any errors were fixed, you should restore station memory for the affected ECUs.
Inventory Check pointing to missing Stock Room.
Inventory Check pointing to missing Stock Room.
Inventory Check pointing to missing Stock Room.
Inventory Check pointing to missing Stock Room.
Inventory Check pointing to missing Stock Room.
Inventory Check pointing to missing Stock Room.
Inventory Check pointing to missing Stock Room.
END OF REPORT

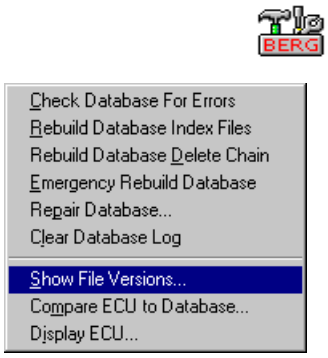
6. View the report in the **View** screen using the scroll bars and **Zoom In** and **Zoom Out** buttons. You can maximize the window by double-clicking the title bar.

7. Click **Print** if you want to print the **Repair Database Report**.

8. Click **Close** to exit the **View** screen.

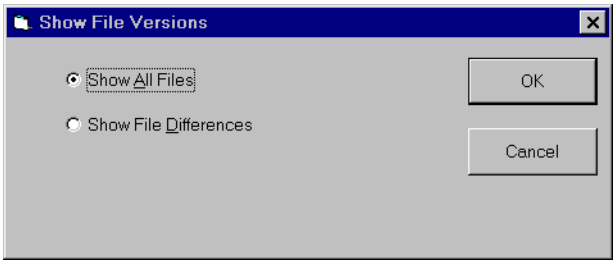
Show File Versions

You'll probably only perform the tasks listed in the **Diagnostics** menu of the **Utilities** program if directed to do so by Berg personnel. You may be directed to perform this procedure to check the version numbers of various files **Infinity** uses to run its programs. If you've recently loaded other software and error messages appear when you run **Infinity**, Berg personnel may ask you to perform this task to determine if files used by **Infinity** have been affected by the other software.



To show file versions:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Show File Versions...**.

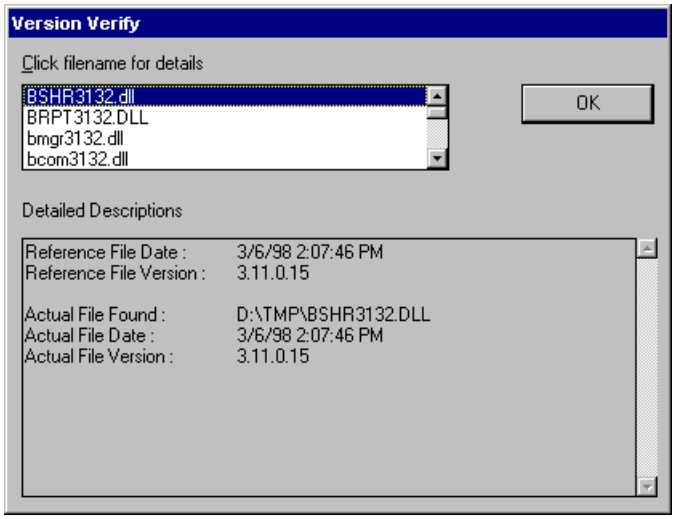


3. Select a show file option as directed by Berg personnel.

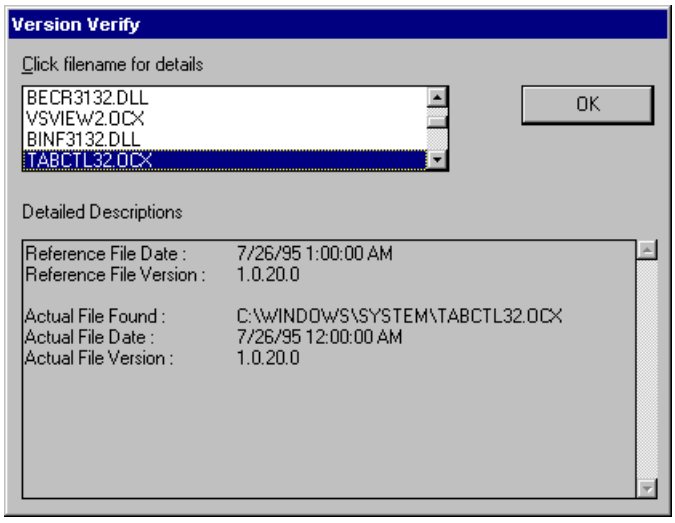
   Show all Files displays a list of version numbers for every file used by **Infinity**.

   Show File Differences displays a list of any file version numbers that don't match the version numbers **Infinity** expects.

4. Click **OK**.



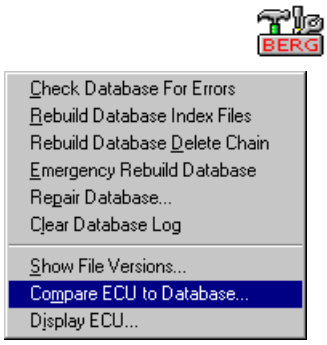
5. Select a file to see more details as directed by Berg personnel. (continued on next page)



6. Click **OK** to close the **Version Verify** screen.

Compare ECU to Database

If an ECU is having problems, you can perform this task to compare the setup information in the ECU with the setup information in your database. You'll be able to see which information (if any) is different (EPROM version, dispenser assignments, ECU type, etc.). This operation doesn't help fix the problem—you'll probably have to do a Clear and Restore Memory to re-send the setup information from the database to the ECU. It can be useful, however, in diagnosing the problem.

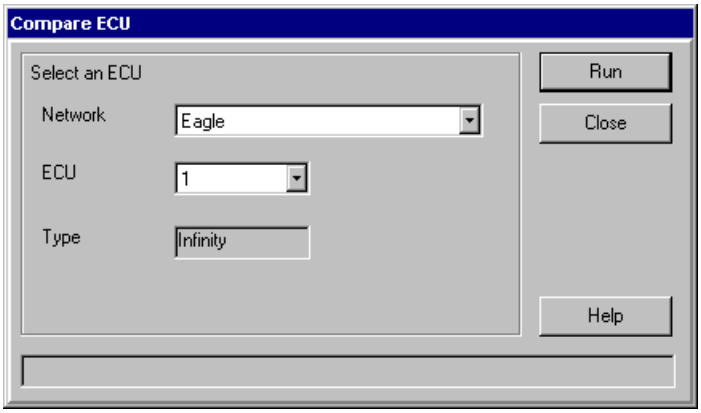


Possible Reasons for Differences Between ECU and Database

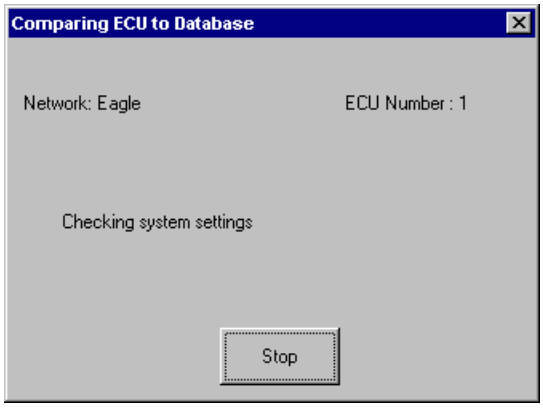
- You forgot to **Clear and Restore Memory** after making changes to setup information at the computer.
- You restored a previous database and didn't Clear and Restore Memory.
- You didn't store alignment values after aligning All-Bottle 7 activator rings.
- You're connected to the wrong ECU (verify correct ECU number at ECU and the computer).
- The setup information at the ECU has been corrupted.
- The database information at the computer has been corrupted.

■ To compare an ECU to the database:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Compare ECU to Database...**.



3. Select the name of the **Network**.
4. Select the **ECU** number.
5. Click **Run**.

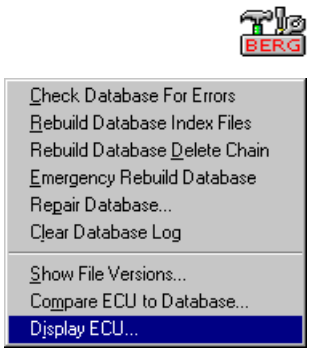


Wait while the ECU and database are compared.

6. View the results in the **View** screen using the scroll bars.
7. Click **Close** to exit the **Compare ECU to Database** screen.

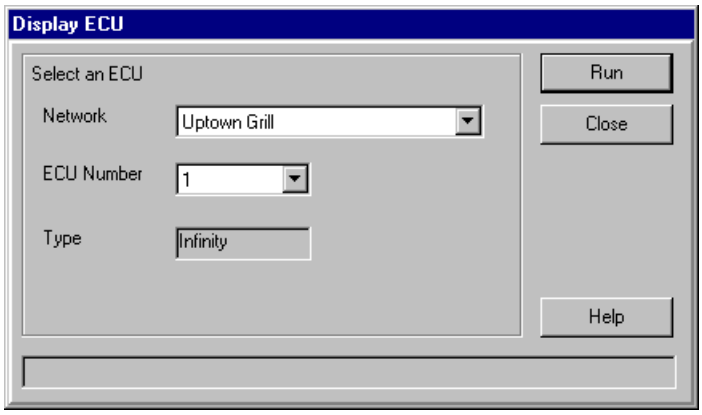
Display ECU

Use this diagnostic tool to see the information stored in an ECU. The report lists all ECU setup data, prices, portions, current state and any POS drivers loaded. (It does not show any sales information.) The ECU number must be set up in the software, but the data in the report reflects only what is stored at the ECU. This tool is especially useful to diagnose an ECU about which little is known.



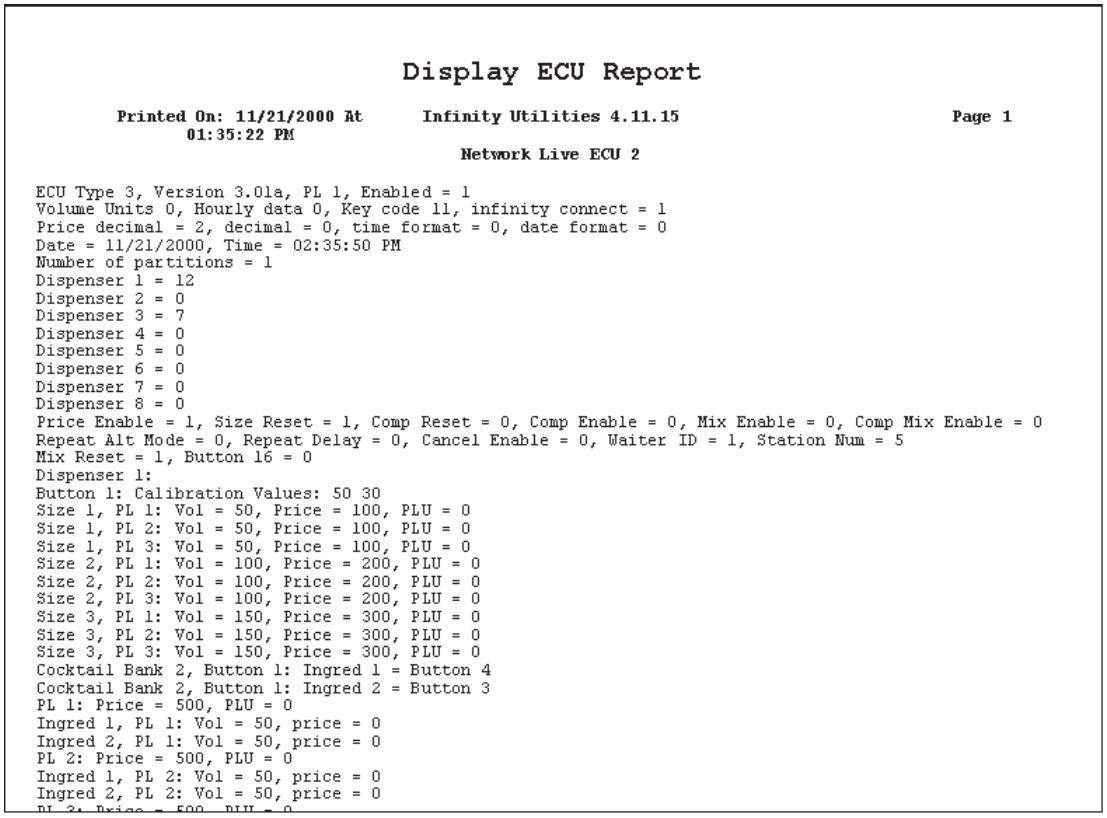
To display an ECU's setup:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Display ECU...**.



3. Select the name of the **Network**.
4. Select the **ECU** number.
5. Click **Run**.

   Wait while the computer communicates with the ECU.



Display ECU Report

Printed On: 11/21/2000 At 01:35:22 PM Infinity Utilities 4.11.15 Page 1

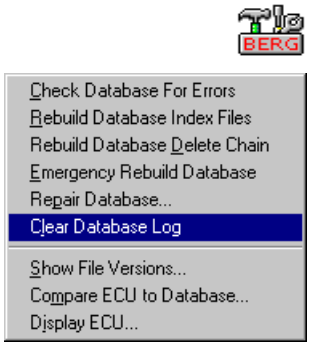
Network Live ECU 2

```
ECU Type 3, Version 3.01a, PL 1, Enabled = 1
Volume Units 0, Hourly data 0, Key code 11, infinity connect = 1
Price decimal = 2, decimal = 0, time format = 0, date format = 0
Date = 11/21/2000, Time = 02:35:50 PM
Number of partitions = 1
Dispenser 1 = 12
Dispenser 2 = 0
Dispenser 3 = 7
Dispenser 4 = 0
Dispenser 5 = 0
Dispenser 6 = 0
Dispenser 7 = 0
Dispenser 8 = 0
Price Enable = 1, Size Reset = 1, Comp Reset = 0, Comp Enable = 0, Mix Enable = 0, Comp Mix Enable = 0
Repeat Alt Mode = 0, Repeat Delay = 0, Cancel Enable = 0, Waiter ID = 1, Station Num = 5
Mix Reset = 1, Button 16 = 0
Dispenser 1:
Button 1: Calibration Values: 50 30
Size 1, PL 1: Vol = 50, Price = 100, PLU = 0
Size 1, PL 2: Vol = 50, Price = 100, PLU = 0
Size 1, PL 3: Vol = 50, Price = 100, PLU = 0
Size 2, PL 1: Vol = 100, Price = 200, PLU = 0
Size 2, PL 2: Vol = 100, Price = 200, PLU = 0
Size 2, PL 3: Vol = 100, Price = 200, PLU = 0
Size 3, PL 1: Vol = 150, Price = 300, PLU = 0
Size 3, PL 2: Vol = 150, Price = 300, PLU = 0
Size 3, PL 3: Vol = 150, Price = 300, PLU = 0
Cocktail Bank 2, Button 1: Ingred 1 = Button 4
Cocktail Bank 2, Button 1: Ingred 2 = Button 3
PL 1: Price = 500, PLU = 0
Ingred 1, PL 1: Vol = 50, price = 0
Ingred 2, PL 1: Vol = 50, price = 0
PL 2: Price = 500, PLU = 0
Ingred 1, PL 2: Vol = 50, price = 0
Ingred 2, PL 2: Vol = 50, price = 0
```

6. View the results in the **View** screen using the scroll bars.
7. Click **Close** to exit the **Display ECU** screen.

Clear Database Log

Perform this task only if directed to do so by Berg personnel.



■ To clear the database log:

1. Run **Utilities**.
2. Pull down the **Diagnostics** menu. Click **Clear Database Log**.

3. Click **OK** when the operation is complete.

SECTION

20 Pouring Operations

Once your **Infinity** system is installed, you're ready to begin pouring. This section provides help with the following tasks:

Change Price Levels at the All-Bottle Dispenser 20-2
Pour an All-Bottle Drink 2--3
Pour a Complimentary All-Bottle Drink 20-4
Pour an All-Bottle ID Drink 20-5
Pour a Complimentary All-Bottle ID Drink 20-6
Pour a 1544 Infinity Drink 20-7
Pour a Complimentary 1544 Infinity Drink 20-8
Change Price Levels at the Laser Dispenser 20-9
Pour a Laser Drink 20-10
Pour a Laser Cocktail 20-11
Pour a Cocktail with Button 16 Switching 20-12
Pour a Complimentary Laser Drink 20-13
Pour a Complimentary Laser Cocktail 20-14
Pour a Complimentary Cocktail with Button 16 Switching 20-15
Pour with Laserita 20-16
Change the Price Level at a Tap 20-17
Pour a TAP 1 Drink 20-18
Pour a Complimentary TAP 1 Drink 20-19
Add a Head to a TAP 1 Drink 20-20
Pause a TAP 1 Pour 20-21
Repeat a TAP 1 Pour 20-22
Cancel a TAP 1 Pour 20-23
TAP 1 Manual Pouring Operation 20-24
TAP 1 End of Keg Handling 20-26

Change Price Levels at the All-Bottle Dispenser

Switching price levels at the dispenser is an option you can enable or disable at the computer. See *New ECU Setup (Infinity)* or *Modify an ECU* in the *Network and ECU Setup* section. If you enable this feature, anyone with a key can change the price level at an All-Bottle dispenser.

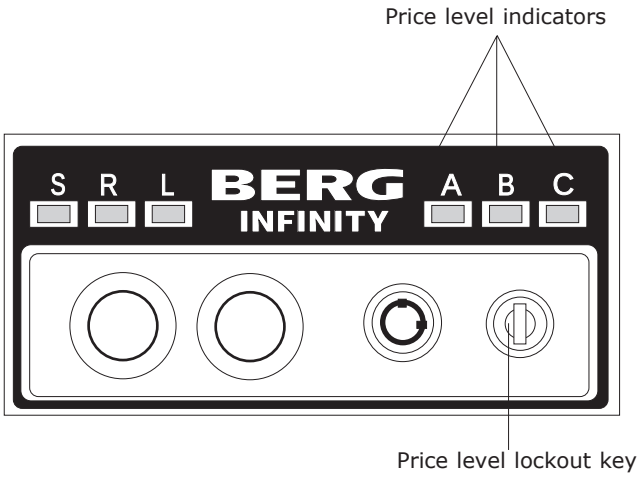
■ To change price levels at the All-Bottle dispenser:

1. Insert a price level lockout key in the lock under the price level indicator lights.
2. Turn the key clockwise one quarter turn and then back to its original position.

   The price level shifts one position (A to B, B to C or C to A). The price level lights indicate the new price level.
3. If necessary, turn the key a second time one quarter turn and back up to shift to the next price level.

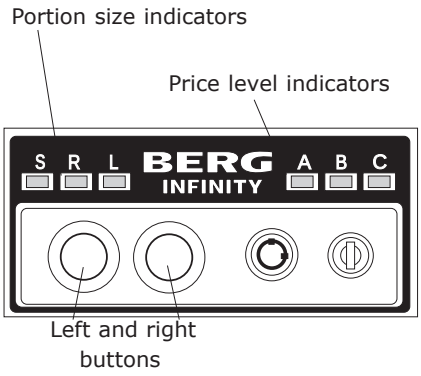
Note

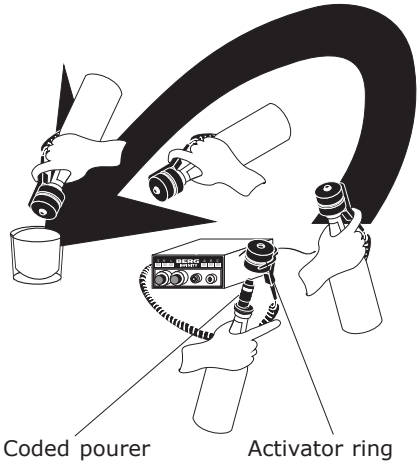
- ❑ Changing the price level at one dispenser changes it for all dispensers (Laser or All-Bottle) connected to the ECU.



Pour an All-Bottle Drink

You can pour an unlimited number of brands using the All-Bottle dispenser.





■ To pour an All-Bottle drink:

1. Verify the correct price level indicator (A, B, or C) is lit.

   If you need to change the price level, see *Change Price Levels at the All-Bottle Dispenser* in this section. (This feature must first be enabled at the computer.)

2. Verify the correct portion size indicator (S-small, R-regular, or L-large) is lit. Change the portion size by pressing the left button under the indicator lights for Small or the right button for Large. If the S portion size indicator is lit, press the left button to reset to Regular. If the L portion size indicator is lit, press the right button to reset to Regular.

3. Pick up a bottle with a secured pourer and insert the pourer into the activator ring (located in the ring holder).

4. Grasp the finger grip on the activator ring with your index finger and quickly invert the bottle to a near vertical pouring position over a glass.

   The pour commences.

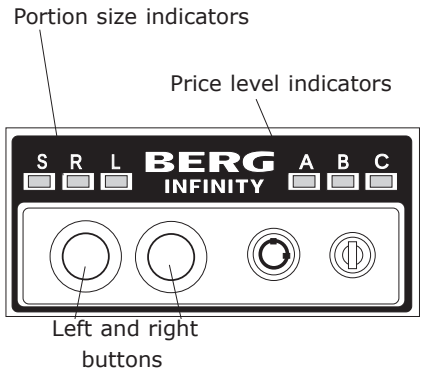
5. When the pour ends, tip the bottle back to an upright position. Return the activator ring to the ring holder and the bottle to its prior location.

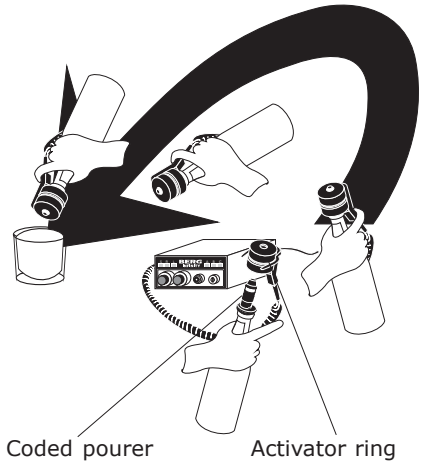
Notes

- ❑ If the pour does not immediately begin, quickly tip the bottle and activator ring to an upright position and then back to a vertical pouring position over the glass.
- ❑ If the pour splashes sideways and misses the glass, you may not have tipped the bottle to a vertical position quickly enough.
- ❑ If you have enabled the **Size Reset** feature at the computer, the portion size indicators reset to R after every pour.
- ❑ See the *Network and ECU Setup* section to enable or disable pouring features.

Pour a Complimentary All-Bottle Drink

Complimentary pouring is an option you enable or disable at the computer for each ECU.





■ To pour a complimentary All-Bottle drink:

1. Press both buttons under the portion size indicator lights at the same time.

   The current price level indicator blinks continuously in comp mode.

2. Verify the correct portion size indicator (S-small, R-regular, or L-large) is lit. Change the portion size by pressing the left button under the portion size indicator lights for Small or the right button for Large.

3. Pick up a bottle with a secured pourer and insert the pourer into the activator ring (located in the ring holder).

4. Grasp the finger grip on the activator ring with your index finger and quickly invert the bottle to a near vertical pouring position over a glass.

   The pour commences.

5. When the pour ends, press both buttons under the portion size indicator lights at the same time to return to standard pouring mode.

   OR

   If you have enabled the **Comp Reset** option at the computer, the dispenser automatically resets to standard pouring mode when the complimentary pour ends.

Notes

- ❑ All complimentary pours are computed for system reports.
- ❑ See the *Network and ECU Setup* section to enable or disable pouring features.

Pour an All-Bottle ID Drink

You can program pourers for up to 200 brands using the All-Bottle ID dispenser.

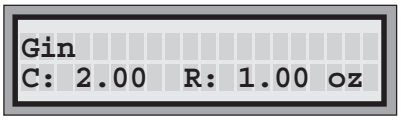
To pour an All-Bottle ID drink:

1. Verify the correct price level (**A:**, **B:**, **C:** or **D:**) on the LCD display.

   To change the price level, press Price Level to cycle through the price levels.

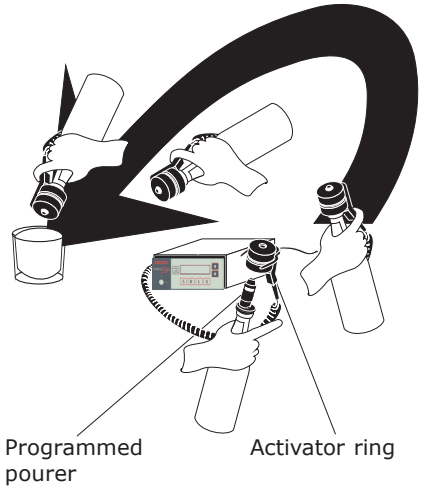
2. Verify the correct portion size (**S:**, **R:**, **L:** or **X:**) on the LCD display. (The portion size flashes if it is non-Regular.)

   To change the portion size press S (small), R (regular), L (large) or X (extra-large).



3. Pick up a bottle with a secured pourer and insert the pourer into the activator ring (located in the ring holder).

   Verify the correct brand name on the LCD display.



4. Grasp the finger grip on the activator ring with your index finger and quickly invert the bottle to a near vertical pouring position over a glass.

   The pour commences.

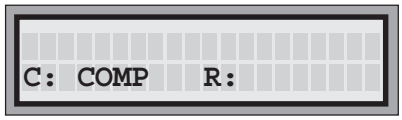
5. When the pour ends, tip the bottle back to an upright position. Return the activator ring to the ring holder and the bottle to its prior location.

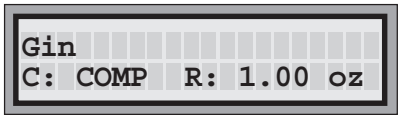
Notes

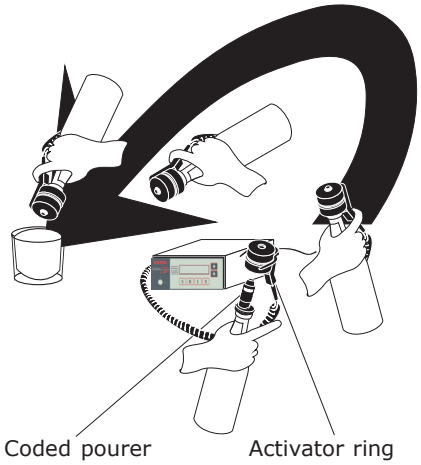
- ❑ If the pour does not immediately begin, quickly tip the bottle and activator ring to an upright position and then back to a vertical pouring position over the glass.
- ❑ If the pour splashes sideways and misses the glass, you may not have tipped the bottle to a vertical position quickly enough.
- ❑ If you have enabled the **Size Reset** feature at the computer, the portion size is reset to **R** after every pour.
- ❑ If you have enabled the **Show Prices** and/or **Show Portions** feature at the computer, the actual price and portion amount of the pour is displayed on the LCD.

Pour a Complimentary All-Bottle ID Drink

Complimentary pouring is an option you enable or disable at the computer for each ECU.







To pour a complimentary All-Bottle ID drink:

1. Press the up arrow to put the dispenser in comp mode. "COMP" appears in the display.
2. Verify the correct portion size (**S:**, **R:**, **L:** or **X:**) on the LCD display. (The portion size flashes if it is non-Regular.)

   To change the portion size press **S** (small), **R** (regular), **L** (large) or **X** (extra-large).
3. Pick up a bottle with a secured pourer and insert the pourer into the activator ring (located in the ring holder).

   Verify the correct brand name on the LCD display.
4. Grasp the finger grip on the activator ring with your index finger and quickly invert the bottle to a near vertical pouring position over a glass.

   The pour commences.
5. When the pour ends, tip the bottle back to an upright position. Return the activator ring to the ring holder and the bottle to its prior location.
6. Press the up arrow to return to standard pouring mode.

   OR

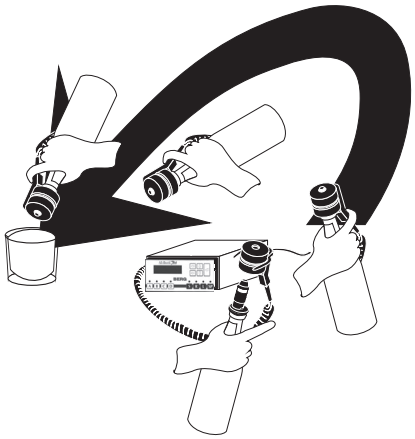
   If you have enabled the **Comp Reset** option at the computer, the dispenser automatically resets to standard pouring mode when the complimentary pour ends.

Notes

- ❑ All complimentary pours are computed for system reports.
- ❑ See the *Network and ECU Setup* section to enable or disable pouring features.

Pour a 1544 Infinity Drink

You can pour four different portion sizes at four price levels for each of the fifteen **1544 Infinity** coded pourers.



To pour a 1544 Infinity drink:

1. Verify the correct price level button (**A**, **B**, **C** or **D**) is lit on the front panel of the ECU.

   If you need to change the price level, press a new button (**A**, **B**, **C** or **D**) if price level changes are enabled for the ECU.

2. Select the portion size by pressing the **S** (small), **R** (regular), **L** (large) or **SP** (special) button on the ECU's front panel. Verify the correct portion size button is lit.

3. Pick up a bottle with a secured pourer and insert the pourer into the activator ring (located in the ring holder).

4. Grasp the finger grip on the activator ring with your index finger and quickly invert the bottle to a near vertical pouring position over a glass.

   The pour commences.

5. When the pour ends, tip the bottle back to an upright position. Return the activator ring to the ring holder and the bottle to its prior location.

Notes

- If the pour does not immediately begin, quickly tip the bottle and activator ring to an upright position and then back to a vertical pouring position over the glass.
- If the pour splashes sideways and misses the glass, you may not have tipped the bottle to a vertical position quickly enough.
- If you have enabled the **Size Reset** feature at the computer, the portion size indicators reset to R after every pour.
- See the *Network and ECU Setup* section to enable or disable pouring features.

Pour a Complimentary 1544 Infinity Drink

Complimentary pouring is an option you enable or disable at the computer for each ECU.

■ To pour a complimentary 1544 Infinity drink:

1. Press the right arrow button. The indicator lights on the front panel flash while in comp mode.
2. Verify the correct price level button (**A**, **B**, **C** or **D**) is lit on the front panel of the ECU.

   If you need to change the price level, press a new button (**A**, **B**, **C** or **D**) if price level changes are enabled for the ECU.
3. Select the portion size by pressing the **S** (small), **R** (regular), **L** (large) or **SP** (special) button on the ECU's front panel. Verify the correct portion size button is lit.
4. Pick up a bottle with a secured pourer and insert the pourer into the activator ring (located in the ring holder).
5. Grasp the finger grip on the activator ring with your index finger and quickly invert the bottle to a near vertical pouring position over a glass.

   The pour commences.
6. When the pour ends, tip the bottle back to an upright position. Return the activator ring to the ring holder and the bottle to its prior location.
7. Press the left arrow button to return to standard pouring mode. The indicator lights stop flashing.

   OR

   If you have enabled the **Comp Reset** option at the computer, the dispenser automatically resets to standard pouring mode when the complimentary pour ends.

Notes

- ❑ All complimentary pours are computed for system reports.
- ❑ See the *Network and ECU Setup* section to enable or disable pouring features.

Change Price Levels at the Laser Dispenser

Switching price levels at the dispenser is an option you can enable or disable. If you enable this feature, anyone can change the price level at a Laser dispenser.

■ To change price levels at the Laser dispenser:

1. Verify the current price level by checking the price level indicator lights.

   The left red light is A, the middle yellow light is B, the right red light is C.

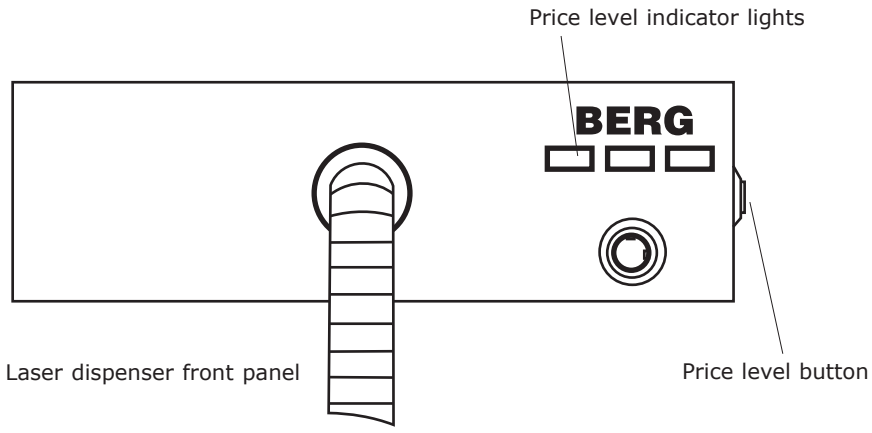
2. Press the price level button on the right side of the dispenser.

   The price level shifts one position (A to B, B to C or C to A). The price level lights indicate the new price level.

3. If necessary, press the button a second time to shift to the next price level.

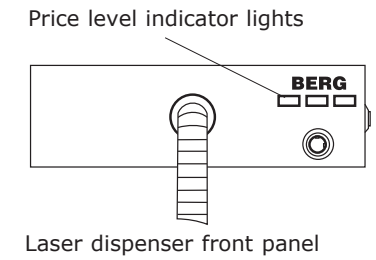
Note

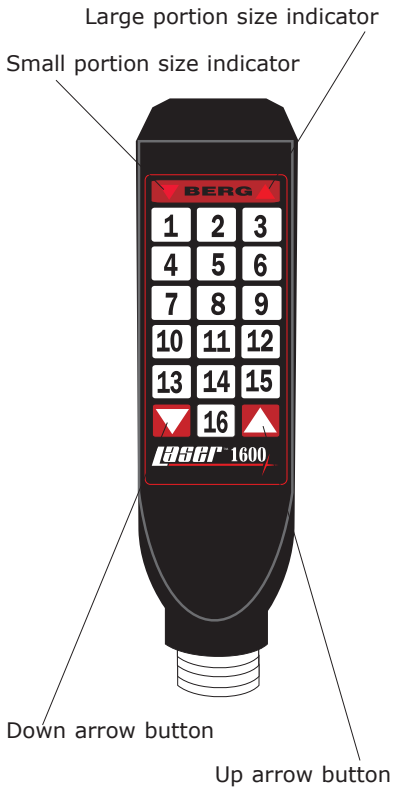
- ❑ Changing the price level at one dispenser changes it for all dispensers (Laser or All-Bottle) connected to the ECU.
- ❑ If you're using an Infinty ECU with All-Bottle ID, you have four price levels. When you shift to price level D, both the right and left lights are on.



Pour a Laser Drink

Depending on the Laser gun, you can pour 6, 12 or 16 different brands.





To pour a Laser drink:

1. Verify the correct price level indicator (A, B, or C) is lit on the front of the dispenser.

   If you need to change the price level, see *Change Price Levels at the Laser Dispenser* in this section. (This feature must first be enabled.)

2. Remove the Laser gun from the gun holder. Verify the correct portion size indicator is lit. The Small portion size indicator is a red triangle (or down arrow) at the top left of the gun. The Large portion size indicator is a red triangle (or up arrow) at the top right of the gun. If neither triangle is lit the gun is set to Regular portion size.

3. Change the portion size by pressing the down arrow button at the bottom left of the gun for Small or the up arrow button at the bottom right of the gun for Large. If the Small portion size indicator is lit, press the down arrow to reset to Regular. If the Large portion size indicator is lit, press the up arrow to reset to Regular.

4. Bring the Laser gun into pouring position over the glass.

5. Press the button number for the brand you want to pour.

   The pour commences.

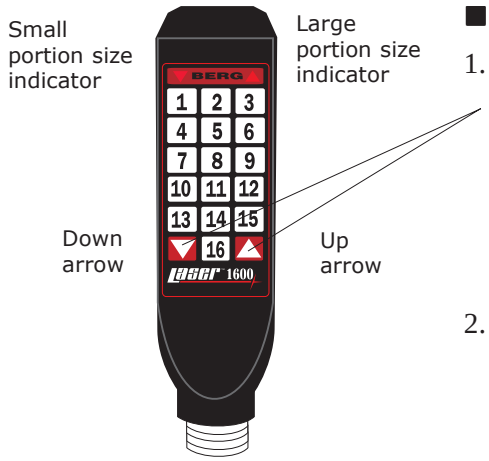
6. When the pour has ended, return the Laser gun to the holder.

Notes

- If you have enabled the Size Reset feature, the portion size indicators reset to Regular after every pour.
- If you're using an All-Bottle ID dispenser, you also have a price level D and an extra portion size. In price level D, the left and right price level lights on the dispenser both turn on. On the Laser gun, both the small and large size indicators turn on for the extra size. Pressing the right arrow takes you from regular to Large to X and back to regular.

Pour a Laser Cocktail

If you have a 6 brand Laser gun, you can pour up to eighteen different pre-assigned cocktails–six each in three different "banks." If you have a 12 brand gun, you can pour thirty-six different cocktails–twelve each in three banks. If you have a 16 brand Laser gun, you can pour forty-eight different cocktails–sixteen each in three banks. Cocktail pouring is a feature that can be enabled or disabled (see *New ECU Setup (Infinity)* or *Modify an ECU* in the *Network and ECU Setup* section).



To pour a Laser cocktail:

1. Remove the Laser gun from the gun holder. If the gun is in normal pouring mode, press the down and the up arrow buttons on the gun at the same time.

   The gun is now in the Regular bank of cocktail mode. Both portion size indicators blink continuously in Regular bank cocktail mode.

2. To access a different cocktail bank, press the down arrow button for the Lower bank or the Up arrow button for the Upper bank.

   The small portion size indicator stays on continuously in Lower bank cocktail mode. The large portion size indicator stays on continuously in Upper bank cocktail mode.

3. Bring the Laser gun into pouring position over the glass.

4. Press the button number for the cocktail you want to pour.

   The pour commences.

5. When the pour ends, press the down and the up arrow buttons on the gun at the same time as many times as needed to return to normal pouring mode.

   OR

   If you have enabled the **Cocktail Reset** option at the computer, the dispenser automatically resets to standard pouring mode when the cocktail pour ends.

Laser Gun Modes

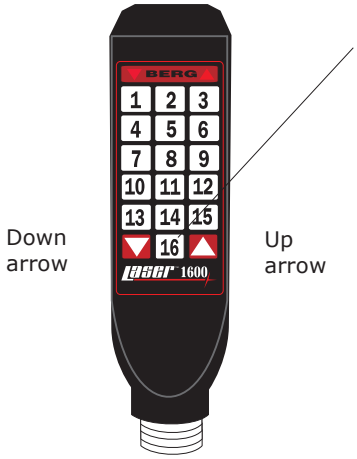
The 4 possible Laser gun modes are:

- Normal Mode
- Cocktail Mode
- Comp Mode
- Comp Cocktail Mode

When you press the up and down arrow buttons at the same time, the gun cycles through the modes in the order listed, skipping any that are not enabled.

Pour a Cocktail with Button 16 Switching

If you enable the button 16 switching feature on a 16 brand Laser gun, you reduce the number of possible cocktails to forty-five, but you also reduce the number of button presses needed to pour each cocktail. You can enable or disable both cocktail pouring and button 16 switching (see *New ECU Setup (Infinity)* or *Modify an ECU* in the *Network and ECU Setup* section).



To pour a Laser cocktail with button 16 switching:

1. Remove the Laser gun from the gun holder. Press button 16.

   The gun is now in cocktail mode. If the gun was set to regular size before pressing button 16, you're in the Regular bank. Both portion size indicators blink continuously in Regular bank cocktail mode. (If the gun was set to Small size before pressing button 16, you're in the Lower bank, and so on.)

2. To access a different cocktail bank, press the down arrow button for the Lower bank, the up arrow button for the Upper bank or the arrow corresponding to whichever portion size is lit for the Regular bank.

   The small portion size indicator stays on continuously in Lower bank cocktail mode. The large portion size indicator stays on continuously in Upper bank cocktail mode.

3. Bring the Laser gun into pouring position over the glass.

4. Press the button number for the cocktail you want to pour.

   The pour commences.

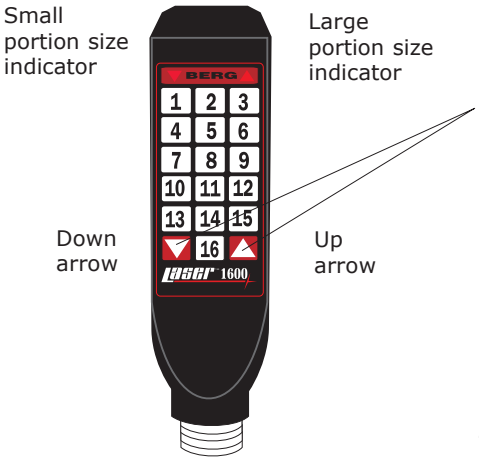
5. When the pour ends, press button 16 to return to standard pouring mode.

   OR

   If you have enabled the **Cocktail Reset** option at the computer, the dispenser automatically resets to standard pouring mode when the cocktail pour ends.

Pour a Complimentary Laser Drink

Complimentary pouring and cocktail pouring are options you can enable or disable for each ECU (see *New ECU Setup (Infinity)* or *Modify an ECU* in the *Network and ECU Setup* section). Whether or not you enable cocktail pouring determines how you access complimentary pouring mode at the Laser gun.



■ To pour a complimentary Laser drink:

1. Remove the Laser gun from the gun holder. If the gun is in normal pouring mode, press both the down and the up arrow buttons on the gun at the same time. (If cocktail pouring is enabled, you're now in cocktail mode. Press both arrow buttons again to cycle to comp mode. If cocktail pouring isn't enabled or you use button 16 switching, you're now in comp mode.)

   The current price level indicator light on the Laser dispenser front panel blinks continuously in comp mode.

2. Verify the correct portion size indicator is lit. Change the portion size by pressing the down arrow button for Small or the up arrow button Large.

3. Bring the Laser gun into pouring position over the glass.

4. Press the button number for the brand you want to pour.

   The pour commences.

5. When the pour ends, press the down and the up arrow buttons on the gun at the same time as many times as needed to return to normal pouring mode.

   OR

   If you have enabled the **Comp Reset** option, the dispenser automatically resets to standard pouring mode when the complimentary pour ends.

Note

❑ All complimentary pours are computed for system reports.

Laser Gun Modes

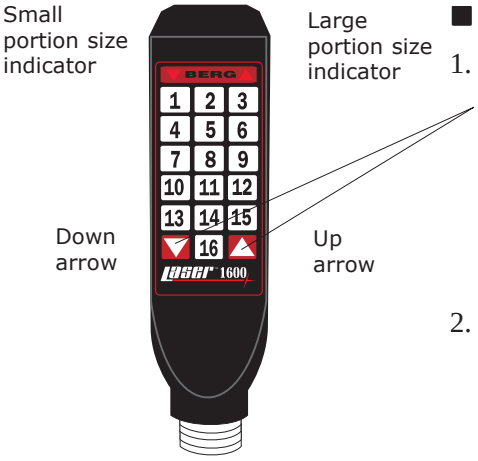
The 4 possible Laser gun modes are:

- Normal Mode
- Cocktail Mode
- Comp Mode
- Comp Cocktail Mode

When you press the up and down arrow buttons at the same time, the gun cycles through the modes in the order listed, skipping any that are not enabled.

Pour a Complimentary Laser Cocktail

If you enable the complimentary cocktail pouring feature, any of the cocktails assigned to the Laser gun can be poured as complimentary drinks. (See *New ECU Setup (Infinity)* or *Modify an ECU* in the *Network and ECU Setup* section for help with enabling this feature.)



Laser Gun Modes

The 4 possible Laser gun modes are:

- Normal Mode
- Cocktail Mode
- Comp Mode
- Comp Cocktail Mode

When you press the up and down arrow buttons at the same time, the gun cycles through the modes in the order listed, skipping any that are not enabled.

To pour a complimentary Laser cocktail:

1. Remove the Laser gun from the gun holder. Press the down and the up arrow buttons on the gun at the same time as many times as needed to access comp cocktail mode.

   In Regular bank comp cocktail mode, both the portion size indicators on the gun and the price level indicator on the Laser dispenser front panel blink continuously.

2. Access a different cocktail bank by pressing the down arrow button for the Lower bank or the up arrow button for the Upper bank.

   The small portion size indicator stays on continuously in Lower bank cocktail mode. The large portion size indicator stays on continuously in Upper bank cocktail mode.

3. Bring the Laser gun into pouring position over the glass.

4. Press the button number for the cocktail you want to pour.

   The pour commences.

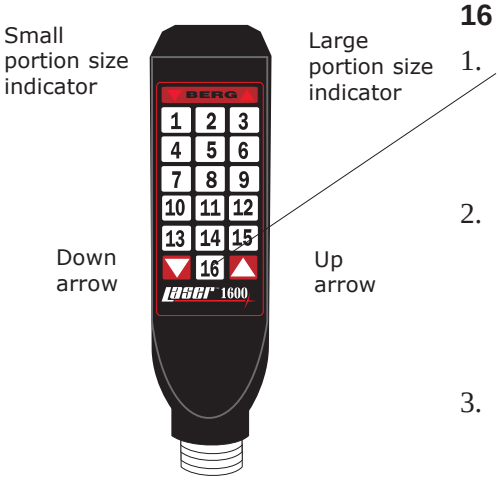
5. When the pour ends, press the down and the up arrow buttons on the gun at the same time as many times as needed to return to standard pouring mode.

   OR

   If you have enabled the **Comp Reset** and **Cocktail Reset** options, the dispenser automatically resets to normal pouring mode when the complimentary cocktail pour ends. (Note that **Comp Reset** and **Cocktail Reset** work independently of each other.)

Pour a Complimentary Cocktail with Button 16 Switching

If you enable the complimentary cocktail pouring feature, any of the cocktails assigned to the Laser gun can be poured as complimentary drinks. Enabling the button 16 switching feature reduces the number of presses to pour the cocktail. (See *New ECU Setup (Infinity)* or *Modify an ECU* in the *Network and ECU Setup* section for help with enabling this feature.)



Laser Gun Modes

The 4 possible Laser gun modes are:

- Normal Mode
- Cocktail Mode
- Comp Mode
- Comp Cocktail Mode

When you press the up and down arrow buttons at the same time, the gun cycles through the modes in the order listed, skipping any that are not enabled.

■ To pour a complimentary Laser cocktail with button 16 switching:

1. Remove the Laser gun from the gun holder. Press button 16.

   The gun is now in cocktail mode. Both portion size indicators blink continuously in Regular bank cocktail mode.

2. Press the down and the up arrow buttons on the gun.

   The gun is now in Regular bank comp cocktail mode. Both the portion size indicators and the price level indicators blink continuously.

3. To access a different cocktail bank, press the down arrow button for the Lower bank or the up arrow button for the Upper bank.

   The small portion size indicator stays on continuously in Lower bank cocktail mode. The large portion size indicator stays on continuously in Upper bank cocktail mode.

4. Bring the Laser gun into pouring position over the glass.

5. Press the button number for the cocktail you want to pour.

   The pour commences.

6. When the pour ends, press button 16 or the down and up arrow buttons to return to normal pouring mode.

   OR

   If you have enabled the **Comp Reset** and **Cocktail Reset** option, the dispenser automatically resets to standard pouring mode when the complimentary cocktail pour ends. (Note that **Comp Reset** and **Cocktail Reset** work independently of each other.)

Pour with Laserita

The Laserita dispenser is designed to pour cocktails which use pre-mixed ingredients (such as margaritas). The Laserita gun works just like a Laser gun, with the exception that its default pouring mode is cocktails, rather than brands.

■ To pour a Laserita cocktail:

1. Follow the steps outlined in *Pour a Laser Drink* in this section. Simply substitute "cocktail" everywhere you read "brand".

■ To pour a Laserita single brand:

1. Follow the steps outlined in *Pour a Laser Cocktail* in this section. Simply substitute "brand" everywhere you read "cocktail".

■ To pour a complimentary Laserita cocktail:

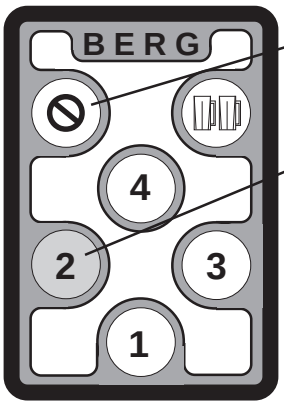
1. Follow the steps outlined in *Pour a Complimentary Laser Drink* in this section. Simply substitute "cocktail" everywhere you read "brand".

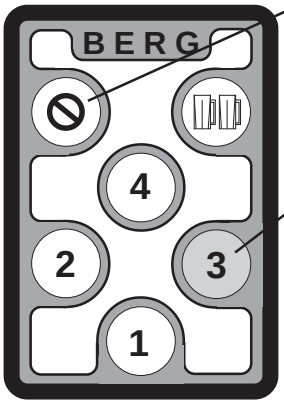
■ To pour a complimentary Laserita single brand:

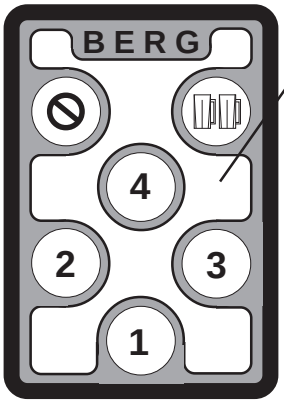
1. Follow the steps outlined in *Pour a Complimentary Laser Cocktail* in this section. Simply substitute "brand" everywhere you read "cocktail".

Change the Price Level at a Tap

If you have enabled this feature with **Infinity** software, you can change the price level for a TAP 1 partition from any one of the tap controllers in that partition. (See *New ECU Setup (TAP 1)* or *Modify an ECU* in the *Network and ECU Setup* section for help with enabling this feature.)







■ **To change the price level at a tap:**

1. Press and hold the cancel button in the upper left corner of the tap keypad.

   The light goes out behind the button that corresponds to the current price level (button 2 in this case).

   Button 1 = Price Level A
   Button 2 = Price Level B
   Button 3 = Price Level C

2. While still holding the cancel button, press the button that corresponds to the new price level (1 for price level A, 2 for price level B, 3 for price level C.)

   The light goes out behind the button you push, signifying the new price level (button 3 in this case).

3. Release the cancel button.

   All lights on the keypad go back on.

Note

❑ If you change the price level at a tap controller, it changes the price level for all tap controllers in that partition.

Pour a TAP 1 Drink

The keypad on each tap has 4 numbered buttons to control 4 portion sizes. If you enable the alternate sizes feature, you can pour 4 more portion sizes at each tap (for a total of 8 different portion sizes). See *New ECU Setup (TAP 1)* or *Modify an ECU* in the *Network and ECU Setup* section for help with enabling this feature.

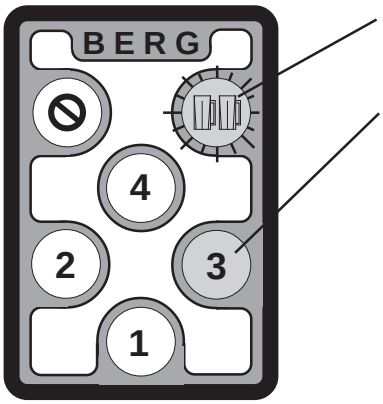
■ To pour a TAP 1 drink:

1. Learn the button numbers for the preset portion sizes of your taps. The following is a typical arrangement:

   Button 1 - glass size portion
   Button 2 - mug size portion
   Button 3 - pitcher size portion
   Button 4 - add a head (splash portion)

2. Press the button on the keypad for the portion size you want (e.g., press button 1 to pour a glass size portion). The light behind the button you press goes out.

3. Wait for the pour to end and remove the glass. The button light comes back on.



■ To pour an alternate size drink:

1. Press the repeat button (in the upper right corner of the keypad.) The light behind the repeat button blinks.

2. Press the portion size button for the alternate size you want. The light behind the button you press goes out.

   Button 1 - portion size 5
   Button 2 - portion size 6
   Button 3 - portion size 7
   Button 4 - portion size 8

3. If you enabled **Alt Size Reset**, all lights come back on when the alternate size pour is completed. You are no longer in the alternate size mode.

   If you did not enable **Alt Size Reset**, the repeat button continues to blink. The portion size buttons remain in the alternate size mode until you press the repeat button again (or the cancel button.)

Alternate Size/ Repeat Pour

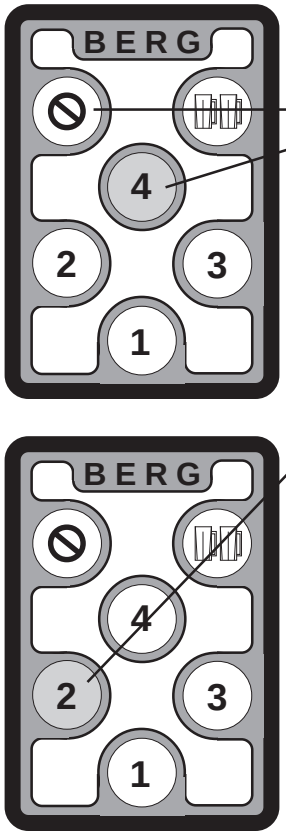
- These are mutually exclusive features; you can't enable alternate sizes and repeat pours at the same time.

Note

❑ To add a head to the drink, see *Add a Head to a TAP 1 Drink* in this section.

Pour a Complimentary TAP 1 Drink

If you enable the complimentary pouring feature for a TAP 1 ECU, any portion sizes can be poured as complimentary drinks. (See *New ECU Setup (TAP 1)* or *Modify an ECU* in the *Network and ECU Setup* section for help with enabling this feature.)



To pour a complimentary TAP 1 drink:

1. While holding the cancel button in the upper left hand corner of the keypad, press button 4.

   The light goes out behind button 4.

2. Release both the cancel button and button 4.

   All button lights come back on.

3. Position your glass under the tap of the brand you wish to pour.

4. Press the portion size button on the keypad (just as you would for a normal pour).

   The light goes out behind the button you press.

5. Wait for the pour to end and remove the glass.

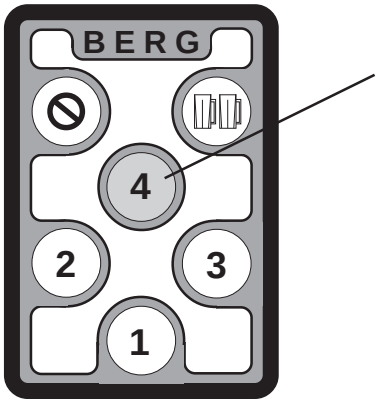
   If **Comp Reset** is enabled all button lights come back on and the complimentary pouring mode is ended.

Notes

- A light goes out behind button 1, 2 or 3 when you initially press the cancel button. This has to do with price levels and does not affect the complimentary pour.
- To see if the complimentary pouring mode is on, hold down the cancel button. If button 4 is not lit, complimentary pouring mode is on.
- If you haven't started the pour, you can undo the complimentary pouring mode by holding down the cancel button and pressing button 4 again.
- You cannot repeat a complimentary pour using the repeat button.

Add a Head to a TAP 1 Drink

One of your portion sizes may be programmed to add a splash of product to an already poured glass, mug or pitcher. This splash is typically 1 oz (3 cl) of product that adds a head to the drink.



■ **To add a head to a TAP 1 drink:**

1. Pour the desired portion size.
2. Leave the glass under the tap and press the button programmed to “add a head.”

   The light behind the “add a head” button goes out.
3. Wait for the splash to top off the drink and remove the glass.

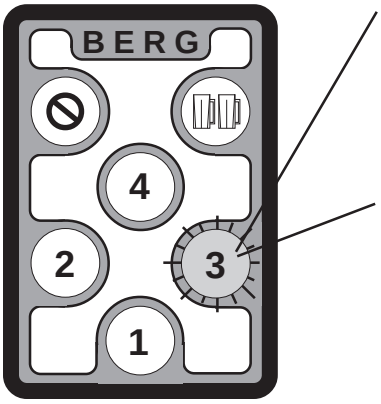
   All button lights come back on.

Notes

- ❑ Typically, the “add a head” portion is assigned to button 4.
- ❑ For EPROMs version 3.00 and later, the add a head limit determines the number of consecutive add a head pours allowed. The add a head limit is a TAP 1 ECU setup feature. See *New ECU Setup (TAP 1)* or *Modify an ECU* in the *Network and ECU Setup* section. (Any zero-priced portion will be counted in the add a head limit.)

Pause a TAP 1 Pour

If you are interrupted during the pouring of a TAP 1 drink or you need time for the foam to settle you can stop the pour in progress and resume it later.



■ To pause a TAP 1 pour:

1. Press the same portion size button you pressed to begin the pour.

   The light behind the button blinks and the pour stops. The button continues blinking until you resume the pour.

2. Press the same portion size button again to resume the pour.

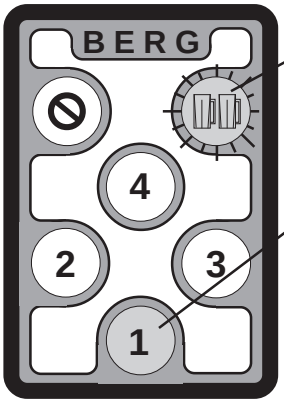
   The light behind the button goes out and pouring continues at the exact point it left off.

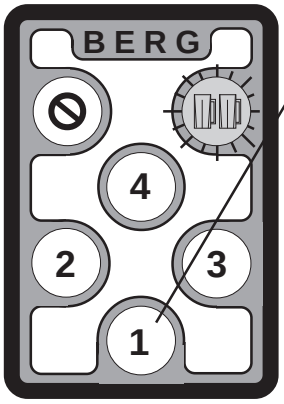
Notes

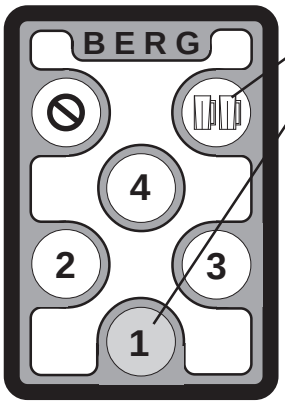
- ❑ You can pause and resume a pour as many times as needed.
- ❑ Press the cancel button to abort a paused pour.

Repeat a TAP 1 Pour

If you know you will be pouring the same drink two or more times in a row, use the TAP 1 repeat feature. This feature must be enabled with **Infinity** software. (See *New ECU Setup (TAP 1)* or *Modify an ECU* in the *Network and ECU Setup* section for help with enabling this feature.)







■ **To repeat a TAP 1 pour:**

1. Press the repeat button (the button with two mugs in the upper right corner).

   The light behind the repeat button blinks.

2. Position your glass under the tap and press a portion size button (button 1 in our example).

3. Wait for the pour to end and remove the glass.

   The light behind the portion size button comes back on for the number of seconds (1-9) specified in the software for **Repeat Delay**.

4. Quickly position a new glass under the tap.

   The light behind the portion size button goes out again as the new pour begins.

5. Repeat steps 3 and 4 for as many identical drinks as you need.

6. Press the repeat button again anytime during the pouring of the final drink to turn the repeat feature off.

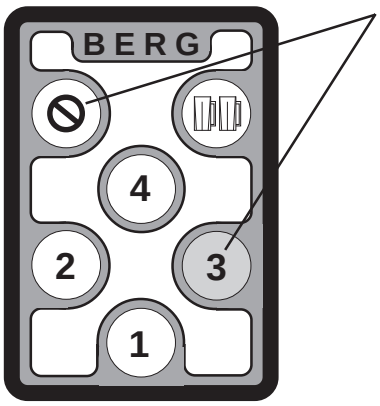
   The repeat button stops blinking and the current pour continues until finished.

Notes

- ❑ As long as the repeat button continues to blink, you are in the repeat mode.
- ❑ If you press the cancel button to get out of repeat mode, it cancels the pour in progress as well.
- ❑ You can press the repeat button anytime before or during the pour you want to repeat.
- ❑ Alternate sizes and repeat pours are mutually exclusive features; you can't enable both at the same time.

Cancel a TAP 1 Pour

You can cancel a TAP 1 pour in progress. If you have EPROM version 3.0 or above in a TAP 1 ECU, you can use **Infinity** software to specify whether canceled pours are counted as cancels. (See *New ECU Setup (TAP 1)* or *Modify an ECU* in the *Network and ECU Setup* section for help with this feature.)



To cancel a pour:

1. Press the cancel button in the upper left corner while a pour is in progress.

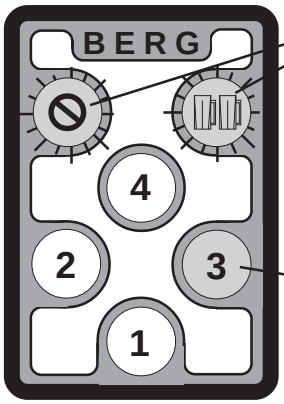
   The button light of the portion size being poured comes on and any pouring operations in progress immediately cease.

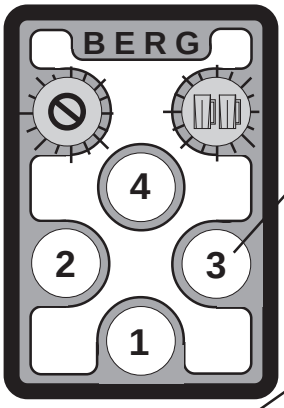
Notes

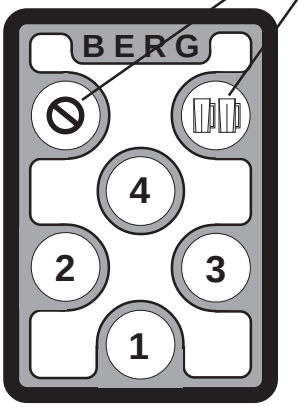
- If you are interrupted during a pour, use the pause feature (see *Pause a Pour*) rather than cancel, so you can resume pouring where you left off.
- If you press the cancel button to get out of repeat mode, it immediately stops the pour in progress as well.

TAP 1 Manual Pouring Operation

You can convert your taps to pour manually any time you wish, but you must first enable this feature using **Infinity** software. If you have flow meters installed in your lines, any manual pours continue to be monitored by **TAP 1** and appear on system reports. If you have an unusually high number of manual pours in a report, it could be due to cleaning the system. (Clear Sales (Z) before and after cleaning to eliminate these numbers from your sales reports.)







■ To manually pour using the TAP 1 buttons:

1. While holding the cancel button, press the repeat button.

   Both the cancel and repeat buttons blink to indicate you are in the manual pouring mode.

2. Press any one of the four portion size buttons to begin a pour.

   The light behind the pressed button goes out.

3. Press the same portion size button again to stop the pour.

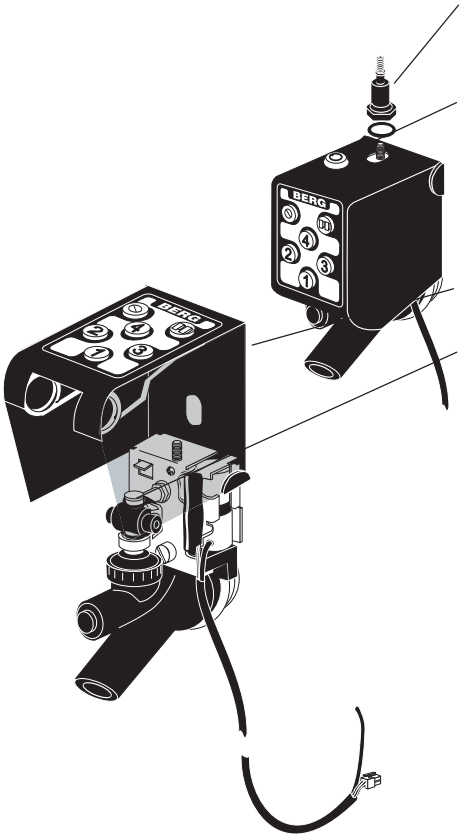
   The light behind the pressed button comes back on.

4. While holding the cancel button, press the repeat button to turn off manual mode from the tap.

   All lights come back on.

Notes

- ❑ Pressing the cancel button alone does not cancel manual mode. It only cancels the pour in progress.
- ❑ Manual pouring continues indefinitely until you stop the pour. All portion control is suspended.
- ❑ All four portion size buttons function the same in the manual mode. However, you must use the same button to start and stop a pour.



■ To manually pour using the brand handle:

1. Unscrew the decorative brand handle and remove the brand handle flange from the top of the tap.
2. Insert the tap key (#1105) into the keylock on the top of the tap and turn clockwise.

   The tap key cannot be removed from the cover when in the unlocked position.
3. Flip the tap cover up.
4. Operate the tap manually by pulling the brass lever forward to pour and pushing it back to stop.

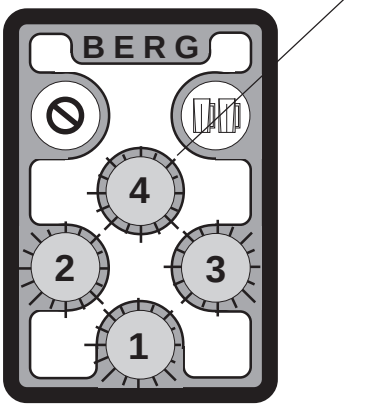
■ To convert back to TAP 1 operation:

1. Flip the tap cover down.

   The tap display lights go on when the circuitry in the cover makes adequate contact with the tap head.
2. Turn the tap key counterclockwise 90 degrees and remove the key.
3. Replace the brand handle flange and brand handle. (Screw the flange down securely to completely lock the tap cover.)

TAP 1 End of Keg Handling

The way you set up your TAP 1 ECU with **Infinity** software determines how you know when you're out of beer at the taps. Whether or not you have flow meters, choose to run in timer mode, or enable automatic end of keg pause determines what happens when a keg is empty. See *New ECU Setup (TAP 1)* or *Modify an ECU* in the *Network and ECU Setup* section.



NOTE: If the lights continue to blink after you've changed the keg and finished your pour, press the cancel button to stop the blinking.

■ If you've installed flow meters AND you're not running in timer mode AND you've enabled immediate pause:

1. Buttons 1-4 on the tap blink continuously as soon as the flow meter detects an empty keg. (The button of the portion size you are pouring stays unlit.)
2. All pouring operations immediately pause.
3. You can press the cancel button to cancel the paused pour in progress and stop the blinking while you go change the keg. Or you can press the unlit portion size button to finish the pour at the risk of filling your line with foam. Or you can change the keg and then resume the pour by pressing the unlit portion size button.

■ If you've installed flow meters AND you're not running in timer mode AND you've enabled pause after pour complete:

1. Buttons 1-4 on the tap blink continuously (informing you of an empty keg) AFTER the current pour is complete.
2. Pouring operations can continue even with buttons 1-4 blinking. (Repeat drinks continue to pour unless you cancel.)
3. You can change the keg or continue pouring (at the risk of getting foam into the line).

■ If you've installed flow meters AND you're not running in timer mode AND you've chosen no indication:

1. No lights blink at the tap to inform you when the flow meter detects an empty keg. **TAP 1** uses a back up timer to accurately complete any pour in progress.
2. The only indication of an empty keg is a foaming faucet.

■ If you're running in timer mode:

No lights blink at the tap to inform you of an empty keg. Foam may get into the line and pour from the tap.

SECTION

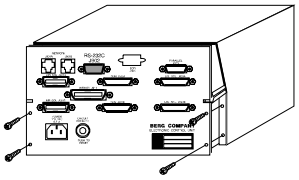
21 Maintenance and Upgrading

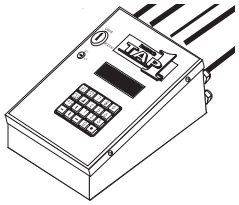
Proper cleaning and maintenance of the **Infinity** system is essential. Refer to this section for the following tasks:

Clean an Infinity, TAP 1 or 1544 Infinity ECU 21-2
Clean the I-Box, All-Bottle ID dispenser or Laser Dispenser 21-3
Clean the All-Bottle Coded Pourers 21-4
Clean a Laser Gun 21-5
Clean a TAP 1 Faucet 21-6
Replace the Infinity ECU Battery 21-8
Change the EPROM in an Infinity ECU 21-9
Replace the TAP 1 ECU Battery 21-10
Change the EPROM in a TAP 1 ECU 21-12
Replace the 1544 Infinity ECU Battery 21-14
Change the EPROM in a 1544 Infinity ECU 21-16
Change the Fuses in an Infinity ECU 21-18

Clean an Infinity, TAP 1 or 1544 Infinity ECU

The ECU is designed to protect the electronics inside from moisture, but bartenders should still be cautioned to avoid splashing water or drinks on the ECU. If a spill should occur on the outside housing of an ECU, use this procedure to clean it.





■ To clean the ECU:

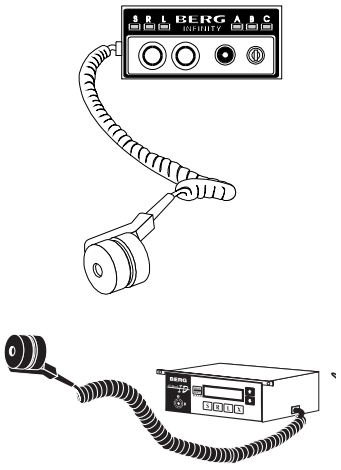
1. Unplug the power cord and any air solenoid cables from the ECU.
2. Wipe the outside of the ECU with a damp (not dripping) cloth or sponge.

Notes

- ❑ Do not attempt any more thorough cleaning of an ECU, and absolutely do not attempt to clean any internal circuit boards or surfaces.
- ❑ If you think liquid may have found its way inside the ECU, call your Berg dealer immediately.

Clean the I-Box, All-Bottle ID Dispenser or Laser Dispenser

Sensitive electronic elements are safely protected inside the I-Box, All-Bottle ID dispenser and Laser dispenser to deliver reliable service under heavy use in bar conditions. Bartenders should still be cautioned to avoid splashing water or drinks on the box. If a spill should occur on the I-Box or Laser dispenser, use this procedure to clean it.



■ To clean the I-Box, All-Bottle ID dispenser or Laser dispenser:

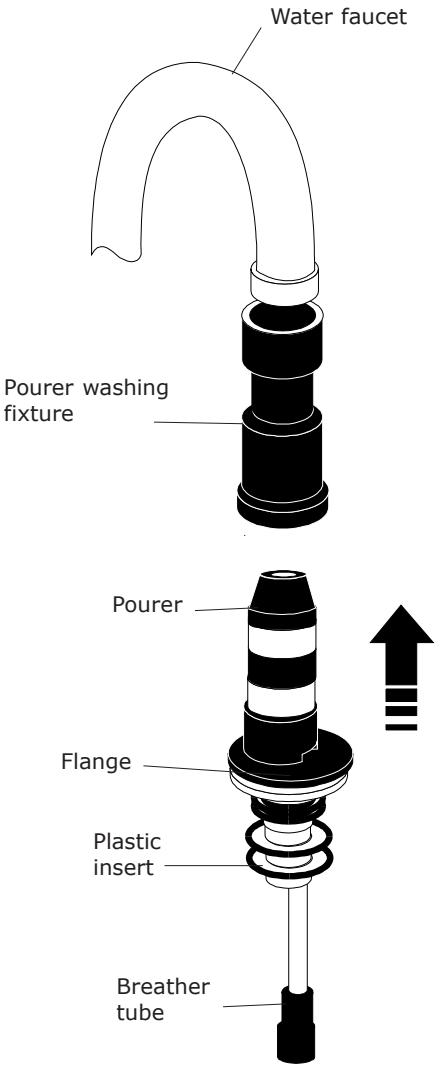
1. Wipe the outside with a damp (not dripping) cloth or sponge.
2. Wipe the activator ring and activator ring holder with a damp cloth or sponge.

Notes

- ❑ Do not attempt any more thorough cleaning of an I-Box, All-Bottle ID dispenser or Laser dispenser, and absolutely do not attempt to clean any internal circuit boards or surfaces.
- ❑ If you think liquid may have found its way inside the box, call your Berg dealer immediately.

Clean the All-Bottle Coded Pourers

The All-Bottle coded pourers are carefully designed for liquor dispensing applications. They impart no taste or odor to liquor and should only be cleaned with clear water. Each pourer should be cleaned every time it is removed from a bottle. Berg provides a pourer washing fixture for this purpose.



■ To clean an All-Bottle coded pourer:

1. Attach the smaller end of the pourer washing fixture (Berg PN 9007191) to your faucet. Turn on a gentle flow of warm water.
2. Insert a coded pourer into the pourer washing fixture with the tip of the pourer pointed slightly away from you.
3. Snap the flange of the coded pourer into the washing fixture and hold it there for a few seconds.

   Two streams of water (one from the end of the breather tube and the other from inside the plastic insert) flow from the coded pourer when all passages are clear. Especially gummy pourers may need to be held in the washing fixture a little longer until both streams of water are running freely.

Notes

- ❑ Never clean your pourers in a dishwasher.
- ❑ Never use soap to clean a pourer. Unless removed completely, soap can get into your liquor. It can also react chemically with the specially formulated plastics and make them brittle, shortening the useful life of your pourers.
- ❑ If a pourer is removed from a bottle and allowed to dry without being cleaned, soak it for several minutes in clear, warm water to loosen the dried liquor before inserting the pourer in the washing fixture. Repeat the soaking and rinsing if necessary.
- ❑ Check the plastic insert of a pourer when cleaning. Liquor drying on the plastic may remove some of the plastic's elasticity. If the plastic insert remains stiff after cleaning, replace it.

Clean the Laser Gun

The outside of the Laser gun should be cleaned regularly.

To clean the Laser gun:

1. Use warm water (never hot) and a mild, non-abrasive detergent to clean the outside of the Laser gun.
2. Gently wipe the gun with a wet (not dripping) cloth or sponge.

   Avoid getting cleanser into the diffuser screens on the bottom of the gun.

Clean a TAP 1 Faucet

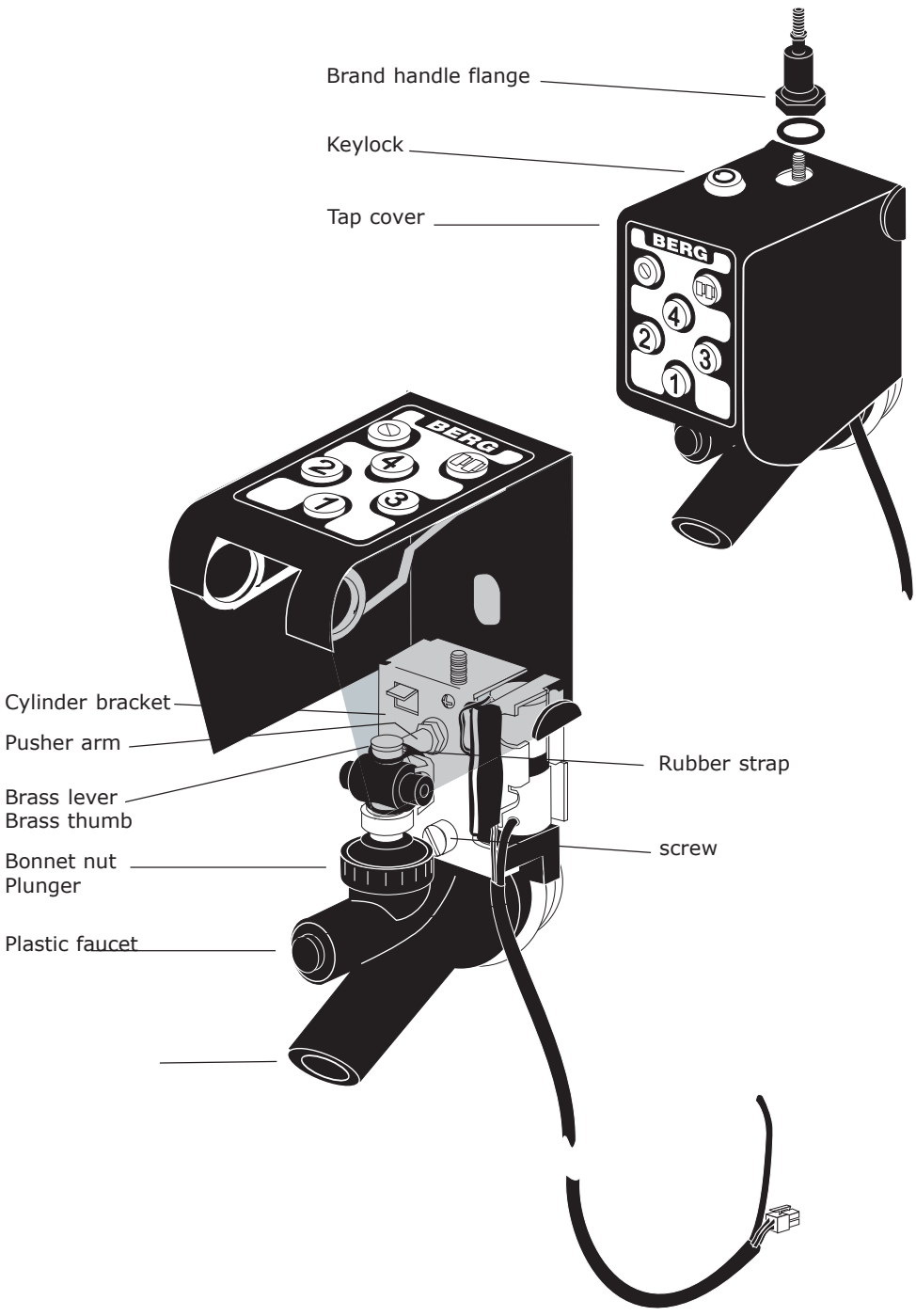
Regular cleaning of the plastic faucets inside the **TAP 1** tap controllers is essential. Continual use without cleaning can impair the flavor of the beverage and cause the faucets to stick and eventually freeze up. Whether you perform your own draft system cleaning or hire someone to do it for you, follow these steps to insure proper functioning of your taps.

■ To clean a TAP 1 faucet:

1. Unscrew the brand handle and remove the brand handle flange from the top of the tap.
2. Insert the tap key (#1105) into the keylock and turn clockwise 90 degrees. (The tap key cannot be removed from the tap cover when in the unlocked position.)
3. Flip the tap cover up.
4. Remove the rubber strap from the top of the brass lever.
5. Remove the brass lever by loosening the bonnet nut.
6. Unscrew the brass thumb screw that holds the cylinder bracket to the faucet.
7. Slide the tap cover and cylinder bracket assembly to the right and set it aside where it will not get wet.
8. Remove the plastic faucet with a spanner wrench.
9. Clean the faucet and plunger as you would any draft system faucet.
10. Replace the faucet using a spanner wrench.
11. Replace the tap cover and cylinder bracket assembly on the faucet by placing it at the right side of the faucet and sliding to the left.
12. Replace the brass thumb screw in the cylinder bracket hole and tighten.
13. Replace the brass lever on the faucet and tighten the bonnet nut. Make sure the bottom end of the lever penetrates the slot in the plunger.
14. Attach the rubber strap to the brass lever by feeding the strap behind the pusher arm and over the brass lever.
15. Flip the tap cover down. (The lights on the tap go on when the cover is all the way down.)

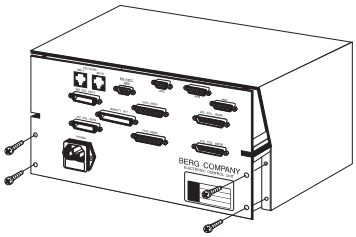
16. Turn the tap key counter-clockwise 90 degrees and remove the key.

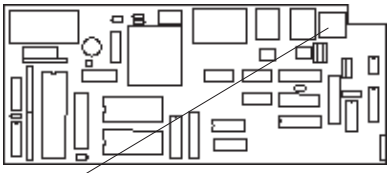
17. Replace the brand handle flange and brand handle. (Screw the flange down securely to completely lock the tap cover.)



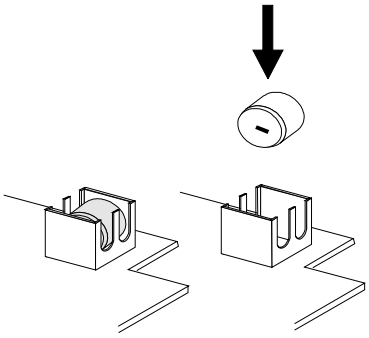
Replace the Infinity ECU Battery

If AC power to the ECU is constantly maintained, the lithium battery inside the ECU should provide years of service. The first symptom of a dying battery may be incorrect portion sizes at the ECU's dispensers. Often the complimentary mode and price-level functions will stop operating properly, and sales information may be incomplete or incorrect. If symptoms indicate that an ECU's battery is fading, the battery should be replaced using this procedure.





Battery location on CPU board



To replace the battery in an Infinity ECU:

1. Archive and clear sales (Z) for the ECU to save the latest sales information.
2. Unplug the ECU.
3. Remove the four screws that secure the ECU chassis to its cover, and slide the chassis out from under the cover.

   The CPU board is directly accessible from above the ECU when the cover is removed. You don't need to remove the CPU board from the chassis.
4. Remove the old battery by inserting the tip of a small screwdriver under it and gently prying it from its socket.
5. Insert the new battery into the battery socket, being sure to align the positive "+" side of the battery with the positive "+" side of the socket. When fully inserted, the battery will be level with the ends of the socket.
6. Slide the ECU chassis back into its mounted cover, and secure it with the four screws.
7. Plug in the ECU.
8. At the computer, clear and restore the ECU's memory. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

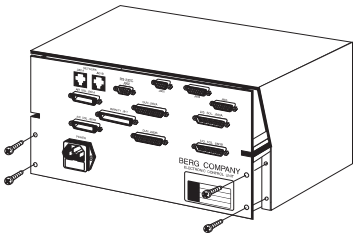
Caution:

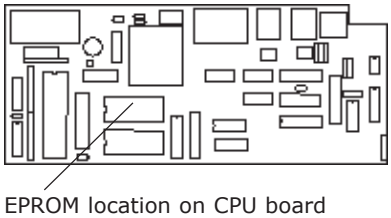
Lithium is poisonous if swallowed. Be careful not to puncture the battery case of an old or new battery. Lithium batteries are not rechargeable. Lithium batteries can overheat or rupture if shorted; handle with care and dispose of used batteries in accordance with manufacturer's instructions. Replace an old battery with Berg PN 8007776, a Duracell DL1/3N or a Sanyo CR1/3N. For your safety use no substitutes without the expressed written consent of Berg Company.

Electronic components are sensitive to static electricity. If possible, avoid working on the Infinity ECU while standing on a carpeted surface. Before you open the ECU, discharge any static electricity from your body by touching any known grounded metal surface. Also discharge the static repeatedly in like manner while working on the ECU.

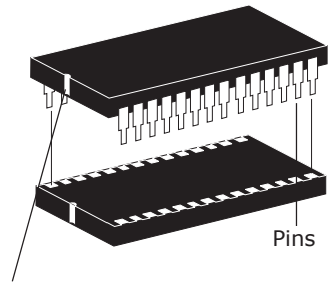
Change the EPROM in an Infinity ECU

You may need to replace the EPROM chip in the Infinity ECU. Replacing the chip is not difficult–it just requires a certain amount of care to protect the fragile pins on the sides of the chip.





EPROM location on CPU board



U-shaped notch on EPROM

To change the EPROM in an Infinity ECU:

1. Archive and clear sales (Z) for the ECU to save the latest sales information.
2. Unplug the ECU.
3. Remove the four screws that secure the ECU chassis to its cover, and slide the chassis out from under the cover.

   The CPU board is directly accessible from above the ECU when the cover is removed. You don't need to remove the CPU board from the chassis.
4. Remove the old EPROM with the PROM remover tool (Berg PN 8004798). Follow the instructions accompanying the tool. Note the orientation of the chip.
5. Insert the new EPROM into the socket by aligning the U-shaped notch of the chip with the U-shaped notch of the socket.

   Be sure all EPROM pins are aligned with the socket. Take care not to bend or damage any of the pins. Gently press straight down on the EPROM until it locks into position.
6. Slide the ECU chassis back into its mounted cover, and secure it with the four screws.
7. Plug in the ECU.
8. At the computer, clear and restore the ECU's memory. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

Caution:

Electronic components are sensitive to static electricity. If possible, avoid working on the Infinity ECU while standing on a carpeted surface. Before you open the ECU, discharge any static electricity from your body by touching any known grounded metal surface. Also discharge the static repeatedly in like manner while working on the ECU.

Replace the TAP 1 ECU Battery

If AC power to the ECU is constantly maintained, the lithium battery inside the ECU should provide years of service. The symptoms of a dying battery may include a "Memory Corrupt" message on the ECU display .

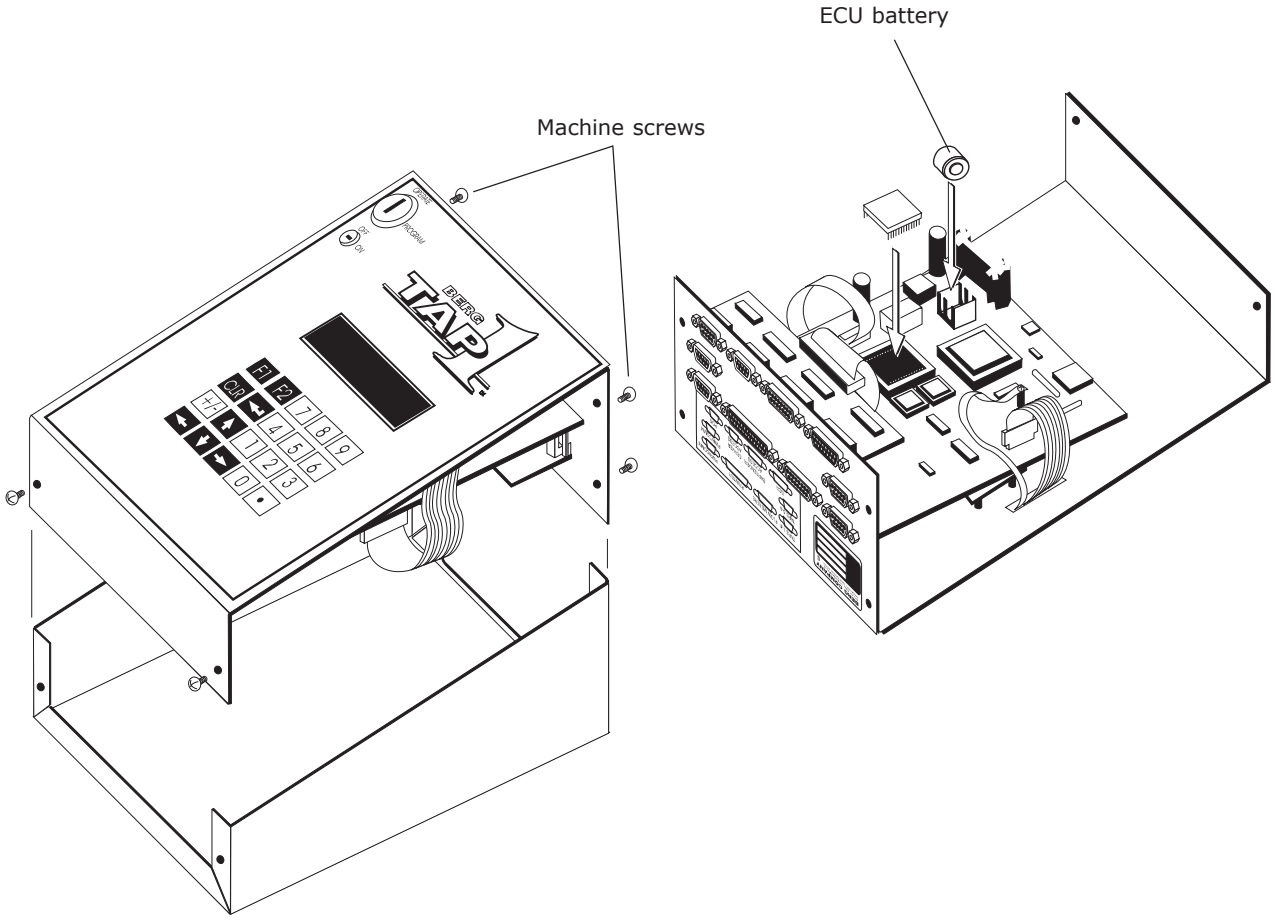
■ To replace the battery in a TAP 1 ECU:

1. Archive and clear sales (Z) for the ECU to save the latest sales information.
2. Unplug the ECU.
3. Remove the cover of the ECU by loosening the four machine screws around its edge.
4. Remove the old battery by inserting the tip of a small screwdriver under it and gently prying it from its socket.
5. Insert the new battery into the battery socket, being sure to align the positive “+” side of the battery with the positive “+” side of the socket. When fully inserted, the battery will be level with the ends of the socket.
6. Replace the cover of the ECU by tightening the four screws that secure it.
7. Plug in the ECU.
8. At the computer, clear and restore the ECU's memory. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

Caution:

Lithium is poisonous if swallowed. Be careful not to puncture the battery case when removing an old battery or inserting a new one. Lithium batteries are not rechargeable. Lithium batteries can overheat or rupture if shorted; handle with care and dispose of used batteries in accordance with manufacturer's instructions. Replace an old battery with Berg PN 8007776, a Duracell DL1/3N or a Sanyo CR1/3N. For your safety use no substitutes without the expressed written consent of Berg Company.

Electronic components are sensitive to static electricity. If possible, avoid working on the ECU while standing on a carpeted surface. Before you open the ECU, discharge any static electricity from your body by touching any known grounded metal surface. Also discharge the static repeatedly in like manner while working on the ECU.


ECU battery
Machine screws

Change the EPROM in a TAP 1 ECU

As new versions of **TAP 1** become available you will need to replace the EPROM in your customers' ECUs. Replacing the chip is not difficult—it just requires a certain amount of care to protect the fragile pins on the sides of the chip.

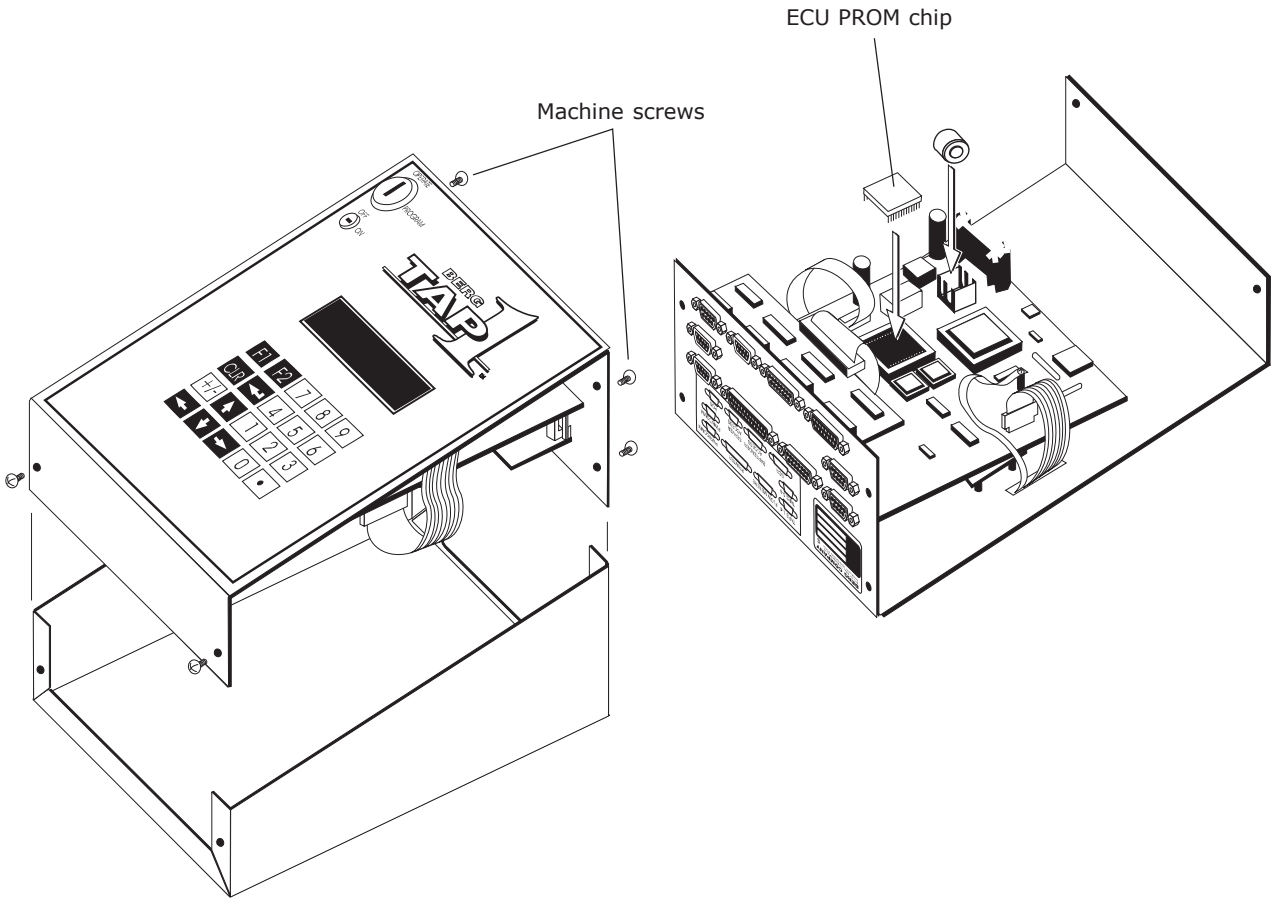
■ To change the EPROM in a TAP 1 ECU:

1. Archive and clear sales (Z) for the ECU to save the latest sales information.
2. Unplug the ECU.
3. Remove the cover of the ECU by loosening the four machine screws around its edge.
4. Remove the old PROM chip with the chip puller tool, 8004798, from your Berg Beer Toolkit. Note the orientation of the chip.
5. Insert the new PROM into the socket by aligning the angled corner of the chip with the top left corner of the socket. (It should match the orientation of the old chip.)

   Be sure all PROM pins are aligned with the socket. Take care not to bend or damage any of the pins. Gently press straight down on the PROM until it locks into position.
6. Replace the cover on the ECU and tighten the four screws that secure it.
7. Plug in the ECU.
8. At the computer, clear and restore the ECU's memory. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

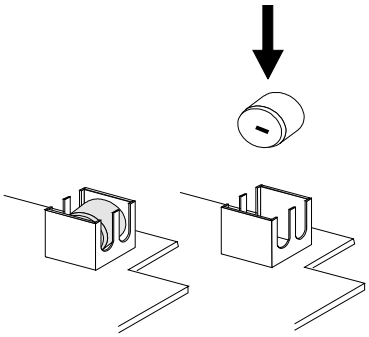
Caution:

Electronic components are sensitive to static electricity. If possible, avoid working on the ECU while standing on a carpeted surface. Before you open the ECU, discharge any static electricity from your body by touching any known grounded metal surface. Also discharge the static repeatedly in like manner while working on the ECU.


ECU PROM chip
Machine screws
BERG
TAP 1

Replace the 1544 Infinity ECU Battery

If AC power to the ECU is constantly maintained, the lithium battery inside the ECU should provide years of service. The symptoms of a dying battery may include loss of setup data or sales records when the ECU is unplugged.



■ To replace the battery in a 1544 ECU:

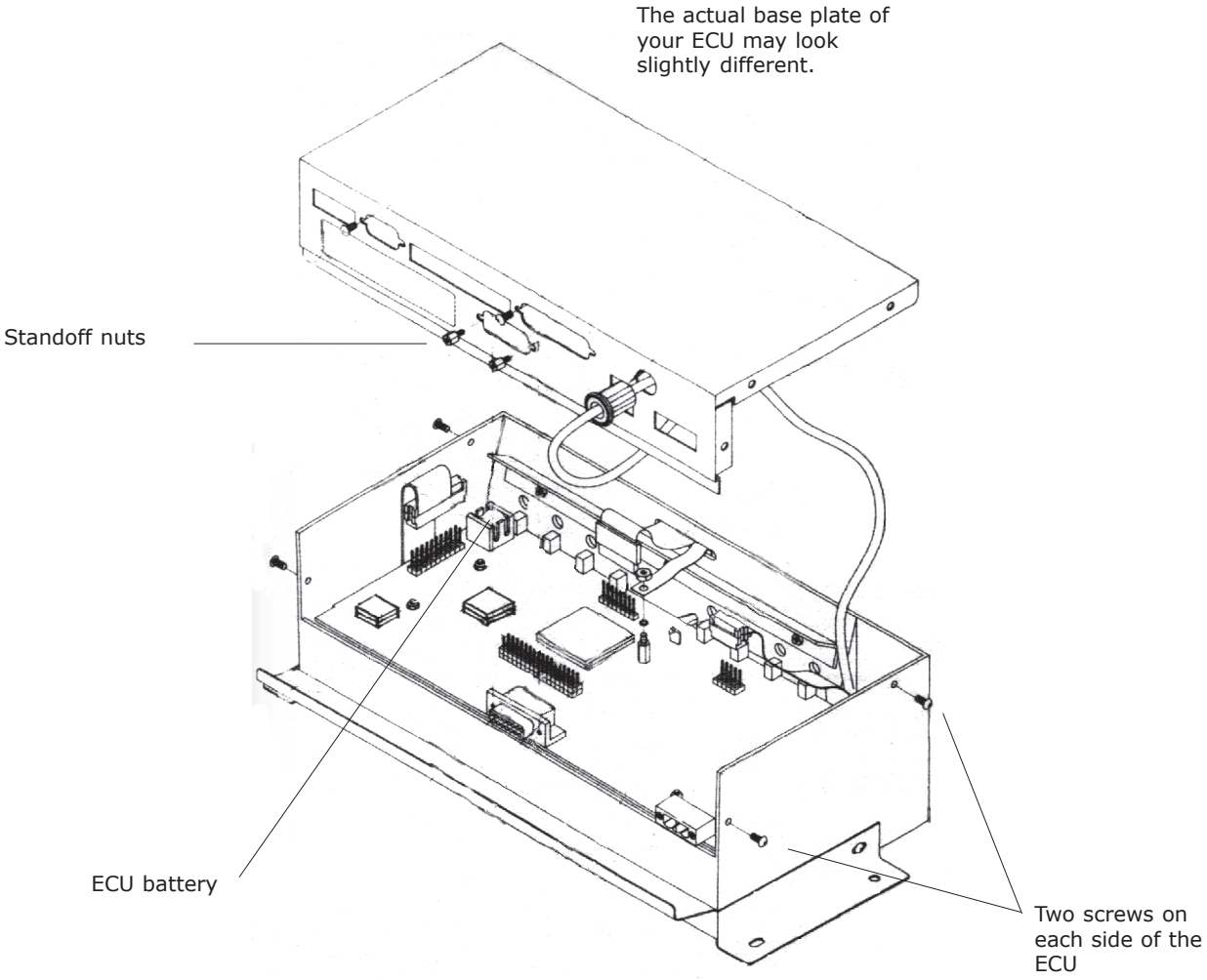
1. Archive and clear sales (Z) for the ECU to save the latest sales information.
2. Unplug the ECU and disconnect all cables to the back of the ECU.
3. Loosen the two screws on each side of the ECU with a hex wrench. Loosen the stand off nuts on the back of the ECU with a nut driver. Open the bottom of the ECU.
4. Remove the old battery by inserting the tip of a small screwdriver under it and gently prying it from its socket.
5. Insert the new battery into the battery socket, being sure to align the positive "+" side of the battery with the positive "+" side of the socket. When fully inserted, the battery will be level with the ends of the socket.
6. Replace the bottom of the ECU by tightening the four screws that secure it on the sides and the stand off nuts on the back.
7. Plug in the ECU.
8. At the computer, clear and restore the ECU's memory. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

Warning:

Lithium is poisonous if swallowed. Be careful not to puncture the battery case when removing an old battery or inserting a new one. Lithium batteries are not rechargeable. Lithium batteries can overheat or rupture if shorted; handle with care and dispose of used batteries in accordance with manufacturer's instructions. Replace an old battery with Berg PN 8007776, a Duracell DL1/3N or a Sanyo CR1/3N. For your safety use no substitutes without the expressed written consent of Berg Company.

Caution:

Electronic components are sensitive to static electricity. If possible, avoid working on the ECU while standing on a carpeted surface. Before you open the ECU, discharge any static electricity from your body by touching any known grounded metal surface. Also discharge the static repeatedly in like manner while working on the ECU.


The actual base plate of your ECU may look slightly different.
Standoff nuts
ECU battery
Two screws on each side of the ECU

Change the EPROM in a 1544 Infinity ECU

If you upgrade your **1544 Infinity** ECU, you need to replace the EPROM chip. Replacing the chip is not difficult–it just requires a certain amount of care to protect the fragile pins on the sides of the chip.

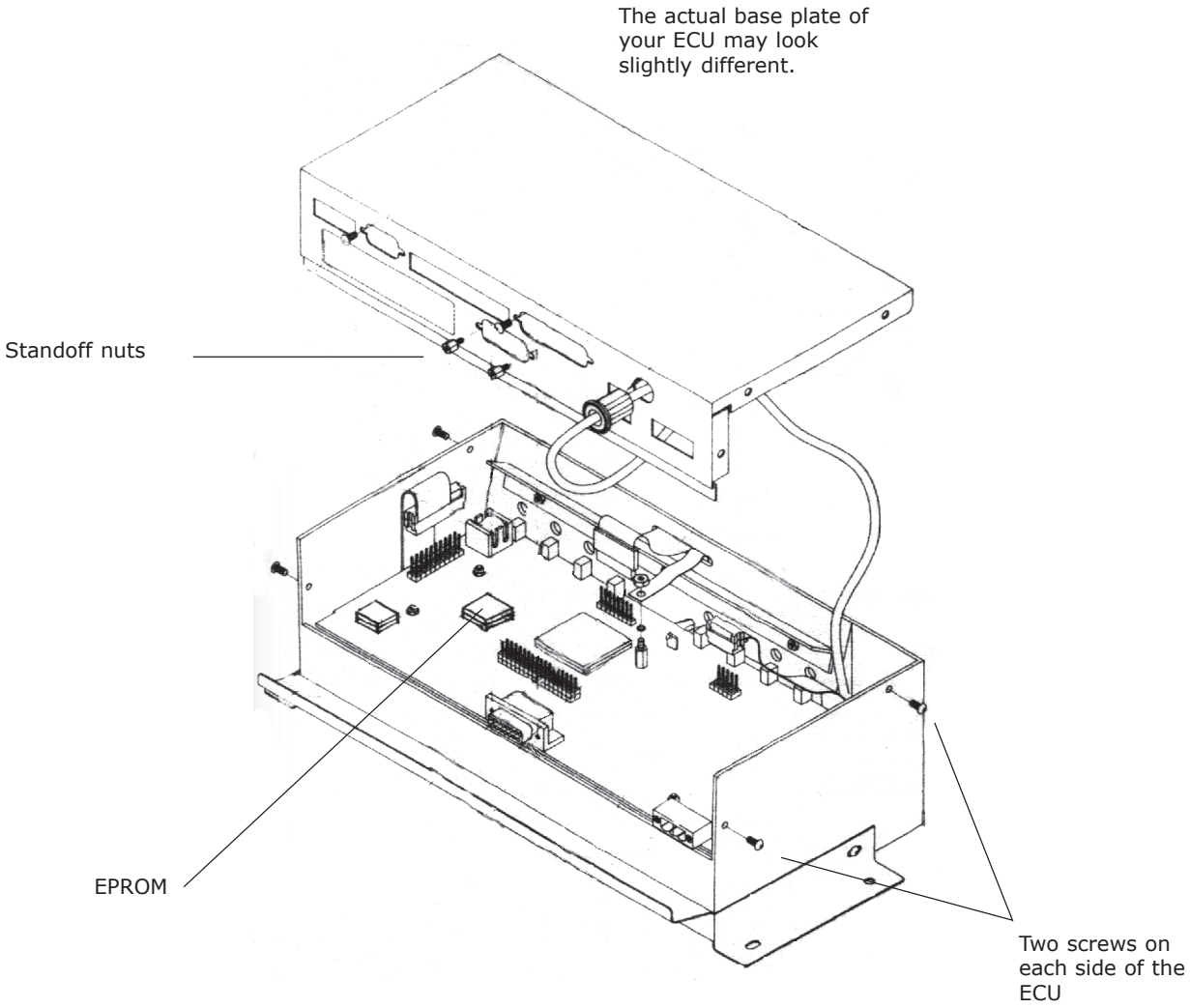
■ To change the EPROM in a 1544 ECU:

1. Archive and clear sales (Z) for the ECU to save the latest sales information.
2. Unplug the ECU and disconnect all cables to the back of the ECU.
3. Loosen the two screws on each side of the ECU with a hex wrench. Loosen the stand off nuts on the back of the ECU with a nut driver. Open the bottom of the ECU.
4. Remove the old EPROM with the PROM remover tool (Berg PN 8004798). Follow the instructions accompanying the tool. Note the orientation of the chip.
5. Insert the new EPROM into the socket by aligning the angled corner of the chip with the angled corner of the socket. (It should match the orientation of the old chip.)

   Be sure all EPROM pins are aligned with the socket. Take care not to bend or damage any of the pins. Gently press straight down on the EPROM until it locks into position.
6. Replace the bottom of the ECU by tightening the four screws that secure it on the sides and the stand off nuts on the back.
7. Plug in the ECU.
8. At the computer, clear and restore the ECU's memory. See *Clear and Restore Memory* in the *ECU Diagnostics* section.

Caution:

Electronic components are sensitive to static electricity. To prevent damage, the EPROM is shipped in protective anti-static packaging. If possible, avoid opening the package or working on the ECU while standing on a carpeted surface. Before you open the package or the ECU, discharge any static electricity from your body by touching any known grounded metal surface. Discharge the static repeatedly in like manner while working on the ECU.

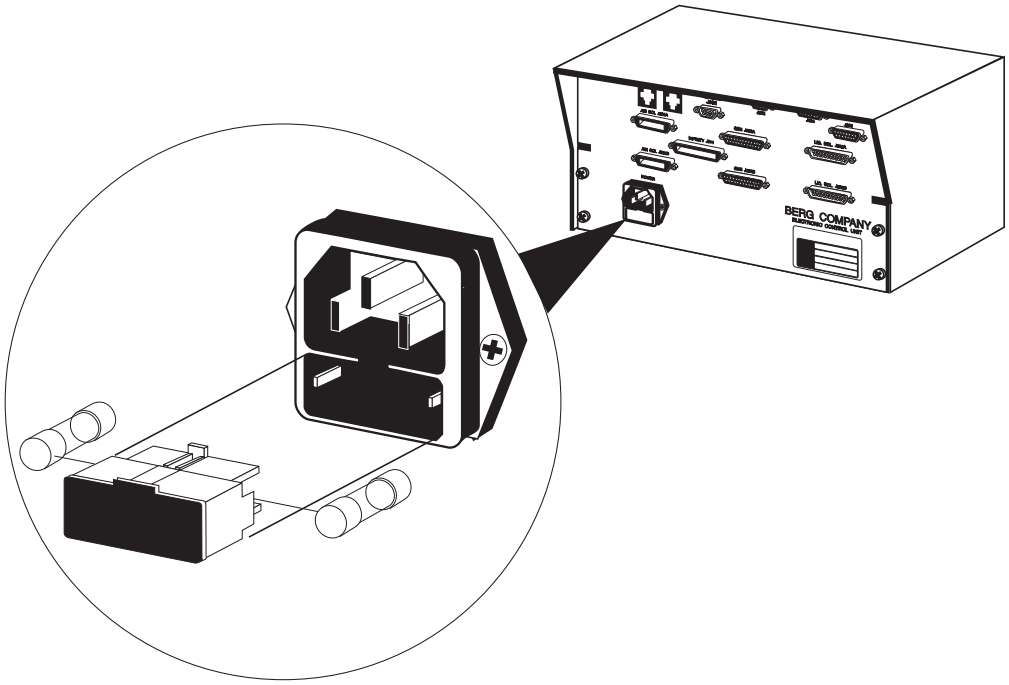

The actual base plate of your ECU may look slightly different.
Standoff nuts
EPROM
Two screws on each side of the ECU

Change the Fuses in an Infinity ECU

The newer style Infinity ECU (PN 8009700) has fuses instead of the circuit breaker found on the older ECU.

■ To change the fuses in an Infinity ECU:

1. Locate the fuse receptacle directly below the power cord connection.
2. Open the receptacle by gently prying with a screwdriver.
3. Replace the fuses (the receptacle takes two). Use Berg PN 8008027. The fuses are 1.0 amp 5x20mm slo-blo.
4. Close the fuse receptacle.



SECTION

22 Infinity Specifications

Infinity Specifications

Infinity ECU

Dispenser type:	All-Bottle or Laser
Dispensers per ECU:	1 or 2 Laser, 1 All-Bottle
ECU dimensions :	6.75 in (172 mm) H 10.5 in (267 mm) W 4.5 in (115 mm) D [+ 3.25 in (82.6 mm) clearance]
Mounting:	Wall or under cabinet w/screws
Enclosure:	Black anodized aluminum
Weight:	5 lbs
Parallel information port:	Standard
RS-232 Serial Data Port:	Standard
RS-485 Communication Ports:	2 Standard
Maximum distance to 485 Converter:	4000 ft (1219 m)
Optional drip-proof enclosure:	Stainless steel construction 8.25 in (210 mm) H 11.75 in (299 mm) W 8.0 in (203 mm) D
Drip-proof enclosure weight:	3 1/8 lbs
ECU electrical requirement:	120 VAC, 50-60Hz 240 VAC, 50-60Hz
Certification:	Conforms to ANSI/UL Std. 1950 (Third Edition) Certified to CAN/CSA Std. c22.2 No. 950-93

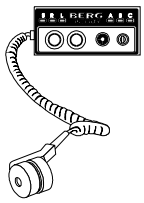
With some exceptions. See *Connect a Local Network* in the *Hardware Installation* section.

Laserita ECU

See *Infinity ECU* (note the following exception)

Dispensers per ECU:	1 Laserita

All-Bottle Dispenser

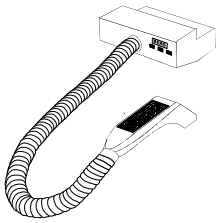


Dispenser type:	Patented bottle inserts and activator ring
Number of brands:	Unlimited
Number of price codes:	Up to 7
Number of price levels:	3
Number of portion sizes:	3 sizes/price code/price level
Portion sizes:	0 to 30 oz (0 to 887 ml)
Security:	Dispenser unit - key lock-out Bottles - 2 levels (pourers/seals)
I-Box dimensions:	2.5 in (64 mm) H 5.0 in (127 mm) W [+ .75 in (19 mm) ring clearance] 4.0 in (101.6 mm) D [+3.25 in (82.6 mm) clearance]
Drip guard dimensions:	.25 in (64 mm) H 5.5 in (139.7 mm) W 4.5 in (114.3 mm) D
Activator ring holder mounting plate dimensions:	1.5 in (38.1 mm) W 3.0 in 76.2 mm) D
Standard cable length:	15 ft (4.6 m)
I-Box mounting:	Slide plate w/screws
I-Box enclosure:	Stainless steel
I-Box weight:	2 1/4 lbs
Distance from ECU:	15 ft (4.6 m) standard cable 25 ft (7.6 m) optional cable 150 ft (45.7 m) maximum distance
Function controls:	Portions (S,R,L) Price levels (A,B,C)
Function indicators:	LEDs for portion size, price level (flashing for complimentary)

Infinity Specifications

Laser Dispenser

Dispenser type:	Hand-held gun w/remote liquor supply
Guns per ECU:	1 or 2
Number of brands:	6, 12, or 16 per gun
Number of price levels:	3 (4 if EPROM 4.0+)
Number of portion sizes:	3 sizes/ brand/price level (4 if EPROM 4.0+)
Portion sizes:	0 to 30 oz (0 to 887 ml)
Number of cocktails:	Up to 3x number of brand buttons per gun
Flow rate:	Up to 1 oz/second
Security:	Dispenser unit - key lock-out
Dispenser unit dimensions	
6 brand:	2.5 in (64 mm) H (front)
	3.75 in (96 mm) H (rear)
	5.75 in (146 mm) W [6.25 in (159 mm) W drip guard]
	6.0 in (153 mm) D [6.5 in (165 mm) D drip guard]
12 brand:	2.5 in (64 mm) H (front)
	3.75 in (96 mm) H (rear)
	9.5 in (242 mm) W [10 in (254 mm) W drip guard]
	6.0 in (153 mm) D [6.5 in (165 mm) D drip guard]
16 brand:	2.5 in (64 mm) H (front)
	3.75 in (96 mm) H (rear)
	11.5 in (292 mm) W [12 in (304.8 mm) W drip guard]
	6.0 in (153 mm) D [6.5 in (165 mm) D drip guard]
Rear clearance for tubing:	6.0 in (153 mm) [3.25 in (82.6 mm) if elbows used]
Dispenser unit mounting:	Slide plate w/screws
Dispenser unit enclosure:	Stainless steel
Gun holder mounting plate dimensions:	1.5 in (38.1 mm) W
	3.0 in (76.2 mm) D
Distance from ECU:	10 ft (3 m) standard cable
	25 ft (7.6 m) optional cable
	200 ft (60.9 m) maximum distance



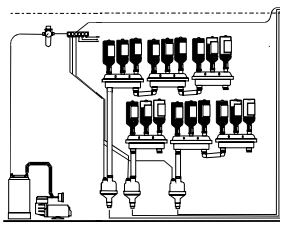
Laserita Dispenser

See *Laser Dispenser* (note the following exceptions)

Guns per ECU:	1
Number of price levels:	3
Number of portion sizes:	3 sizes/brand/price level

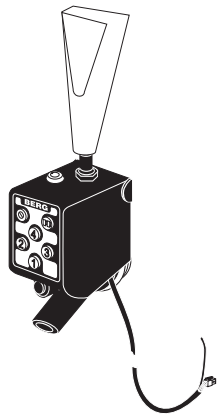
Laser Reserve and Air Supply

Reserve capacity:	Up to three 1.75 L bottles/reserve
Reserve capacity/brand:	Unlimited, connected in series
Reserve dimensions:	19 in (483 mm) H
(w/1.75 L bottles)	16 in (407 mm) W
	6.5 in (165 mm) D
Pump dimensions:	1/2 in (12.7 mm) to 1 in (25.4 mm) inlet
	.25 in (6.35 mm) to 3/8 in (9.7 mm) outlet
	8.5 in (215.9 mm) H
	5 in (127 mm) Diameter
Air supply:	Oilless piston compressor w/thermo shut-off
Pressure rating:	55 PSI (3.8 Bars) maximum
Air buffer tank:	3 gallon stainless steel
Air solenoid block:	24 VDC, 8.5W/solenoid



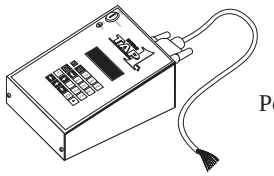
Infinity Specifications

TAP 1 Tap Controller



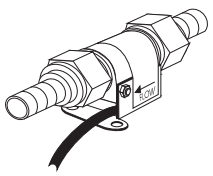
Number of portion sizes:	4 or 8 (3 or 7 with add-a-head)
Maximum portion size:	99.99 oz (2.95 l)
Flow rate:	As defined by beer system
Other controls:	Repeat function and cancel
Security:	Head key lock (to clean or convert to manual mode)
Enclosure:	Stainless steel & high-strength plastic
Dimensions:	3.4 in (87 mm) H x 2.0 in (50 mm) W x 2.9 in (75 m) D
Faucet:	Standard beer dispense style
Operation type:	■ *Open* - pneumatically operated 55 psi (3.8 Bars) air or CO_2 ■ *Close* - spring loaded return
Power at head - Electrical:	15V supply (from remote console)
Keypad:	6 button, backlit, moisture-resistant
Distance from console:	Up to 100 feet (30.5 m)
Weight:	0.8 lbs (.37 Kg)
Other:	■ Accommodates standard beer dispense handle (3/8" - 16) ■ 10,000 actuations per pound (.45 Kg) of CO_2

TAP 1 ECU



Number of stations:	Up to 8
Number of draft brands:	Up to 8
Security:	Key lock - ON/OFF -- calibration, reporting Password security option available
Enclosure:	Powder coated aluminum
Dimensions:	3.9 in (100 mm) H x 7.7 in (195 mm) W x 8.5 in (216 mm) D
Weight:	2.7 lbs (1.23 Kg)
Power at console - Electrical:	90 - 250 VAC, 50/60 Hz (external), 24 VDC (console)
Display:	LCD display of quantity dispensed and sales amount
Keypad:	20 Key (programming price levels, etc.)
Other:	Memory - battery backup

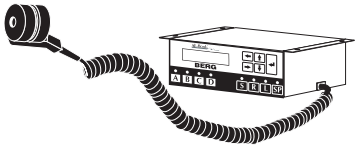
TAP 1 Flow Meter



Location:	Installed in beer feed line
Type:	Turbine/magnet, pulses based on volume
Distance from console:	Up to 500 feet (152.5 m)
Sensor:	Hall effect
Dimensions:	1.2 in (30 mm) H x 1.0 in (25 mm) W x 2.4 in (61 mm) L
Weight:	0.13 lbs (.06 Kg)
Other:	■ 1 required per line ■ Uses 29/32 in (23 mm) std. beer coupling nuts & tailpieces ■ Long-life sapphire bearings

Infinity Specifications

1544 Infinity



Electronic Control Unit size :	3.75 in (95.3 mm) H 10.25 in (260.4 mm) W 5.25 in (133.4 mm) D
Dispenser type:	Patented bottle pourers and activator ring
Number of brands:	Unlimited
Number of price codes:	Fifteen
Portion size:	1/8 to 10 ounces (3.7 to 295.7 ml)
Number of portion sizes:	Four (presetable)/code/price level
Number of price levels:	Four – with unique portion per level
Display type:	LCD 2x20
Electrical Requirements:	100-240 VAC, 50-60 Hz 0.7A, 5 VA Installation category II Pollution Degree 2 Mains supply voltage fluctuations shall not exceed 10 percent of the nominal supply voltage.
Protective Earthing Requirements:	The system must be connected to a properly grounded mains supply with an IEC approved three pronged power cord.
Environmental Conditions:	Maximum relative humidity 50-80 R.H. Operating temperature range 5°-40° C (41°-104° F). Maximum altitude 2,000 m (6,562 ft).
Fuses used in product:	Berg PN 8007422 For North American installations (1/4 x 1, CSA certified) Littlefuse 313000 Bussman MDL-3 For European installations (5 x 20 mm, designed to IEC 127) Littlefuse 2183.15 Bussman GDL-3.15A
Power Supply:	Phihong model PSA-30U-120

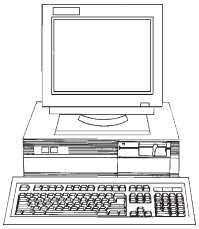
All-Bottle ID Dispenser

Electronic Control Unit size :	3.25 in (82 mm) H 8.25 in (210 mm) W 4.5 in (114 mm) D 3.2 lbs (1.5 kg)
ECU Mounting Plate size :	9.5 in (242 mm) W 5.5 in (142 mm) D
Dispenser type:	Patented bottle pourers and activator ring
Number of brands:	Unlimited
Number of price codes:	200
Portion size:	1/8 to 10 ounces (3.7 to 295.7 ml)
Number of portion sizes:	Four per price code
Calibration:	By portion
Display type:	LCD 2x20 (shows brand name, portion size and price)
Security:	Keylock

Infinity Specifications

Computer Requirements

To use Infinity software, you need to meet the following minimum requirements:



IBM compatible PC:	Pentium
Operating system:	Windows 98, 2000, ME, XP, NT
RAM:	8 MB
Video monitor:	Standard VGA resolution (640 x 480)
Available hard disk space:	18 MB
Available COM port:	At least one

Berg strongly recommends the following computer requirements:

IBM compatible PC:	Pentium 66
Operating system:	Windows 98, 2000, ME, XP, NT
RAM:	16 MB
Video monitor:	Standard VGA resolution (640 x 480)
Available hard disk space:	18 MB
Available COM port:	at least one
Power supply:	Uninterruptible Power Supply (UPS) unit

Software Features

- Optional password protection
- Flexible, expandable system setup
- Controls and reports on every drink poured
- Accounts for complimentary pouring
- Generates custom management reports
- Interfaces with ECR/POS systems
- Exports data to other software applications
- Schedules routine management and reporting tasks
- Allows remote access to reports with a modem

SECTION

23 Troubleshooting

This section provides help with the following troubleshooting topics:

Troubleshooting Tips 23-2
Avoiding Problems 23-4
Local Network Communication Problems 23-5
Remote Network Communication Problems 23-8
Modem Dip Switch Settings 23-10
Pouring Problems 23-11
Software Problems 23-14
Report and Export Problems 23-15
Schedule Problems 23-17

Troubleshooting Tips

The following tips help you pinpoint the cause of a problem. This may help you solve the problem on your own or at least help you explain the problem to Berg service personnel.

Isolate the problem

- ❑ Have you checked all of your cabling and connections?

  Some ECU problems can be solved by a simple reset of the ECU. Just unplug the ECU's power cord, wait for five seconds, and then plug it back in and try again. This is a good place to start for many electronics problems, even if you can't isolate and define the problem. This will not cause you to lose any sales or setup data in the ECU.

- ❑ Are all options in the software and at the dispenser(s) set correctly?

- ❑ What is the exact nature of the problem? (e.g. Does the PC lock up or crash? Are your reports inaccurate? Are your dispensers not pouring? Are scheduled events not running?)

  Try to narrow down the diagnosis by testing and excluding specific possibilities, one at a time. Determine, if possible, whether the problem lies in the software, or in the computer hardware or in the station components.

Determine the scope of the problem

- ❑ Is the problem continuous or intermittent? Is it predictable or repeatable? If so, how?
- ❑ Are all prices and portions affected, or only some of them?
- ❑ If it involves the software, what exactly does the screen say? Describe it and write it down.
- ❑ What was the last thing you did before the problem appeared?
- ❑ Have you previously done the same operation successfully, with the same setup? Recently?
- ❑ Does the problem happen with cocktail pours?
- ❑ Does the problem happen with comp pours?
- ❑ Does the problem happen with manual pours?
- ❑ Does the problem happen with alternate sizes?
- ❑ What have you done to try to fix or work around the problem? Did it work?

- ❑ How severe is it? Does it prevent you from operating?
- ❑ Did this occur while you were operating live, or in Schedule?
- ❑ If it involved a schedule running, what do the schedule log and the related .ERR file say?
- ❑ If it involves a TAP 1 ECU, are you operating in stand alone mode, or are you interfaced to the **Infinity** software? How is the TAP 1 ECU partitioned? Which partitions are affected?
- ❑ Is there diagnostic information available?
- ❑ Did you try any of the available diagnostic checks? (e.g. Check ECU Memory, the Diagnostics menu in **Utilities**, Scandisk or Chkdsk, virus checkers, etc.)

do you have?

Review your system setup

If you decide to call Berg personnel for assistance with a problem, they are likely to ask you a variety of questions to help diagnose the problem. You can help by being prepared to answer questions about your **Infinity** setup and the exact nature of the problem.

- ❑ Are you using Infinity, TAP 1 or 1544 Infinity ECUs? If the problem happens on one type, does it happen on the other?
- ❑ Are you using a local or modem network?
- ❑ Are you using an ECR or POS interface and the Interface software?
- ❑ Have you recently changed anything in your **Infinity** system setup and configuration?
- ❑ Have you recently installed other new devices or software on your computer?
- ❑ What version of the **Infinity** software and ECU EPROMs

Version Numbers

- **Software version number:** Select **About Infinity...** from the **Help** menu of any **Infinity** program to determine the version number.
- **EPROM version number:** Run a Configuration Report to determine the EPROM version number in your ECU(s).
- For TAP 1 and 1544 Infinity ECUs, you can also cycle power at the ECU and read the version number displayed at power on.
- An All-Bottle ID dispenser displays ECU and dispenser EPROM at power on.

Avoiding Problems

You can avoid some of the most commonly-reported problems by performing the following procedures.

Calibration

Taking the time to calibrate the system prevents future pouring problems. If you don't calibrate the dispensers in your system, inconsistent portion sizes can result. You should calibrate all dispensers at the time of installation and any time you install a new dispenser or make changes to tubing runs. See the *Calibration* section.

Back up configuration settings

With a backup copy of all your setup data, you're prepared in the event of computer problems. You should back up configuration settings at the time of installation and any time you make changes to setup data. See *Store Configuration Settings* in the *Database Management* section.

Maintain the system

Perform cleaning and maintenance tasks at regularly scheduled intervals. This extends the useful life of your dispensers and prevents electrical and pouring problems. See the *Maintenance* section of this manual and the *Laser* and *TAP 1 Manuals*.

Local Network Communication Problems

Communication errors can occur for a number of reasons, and can be difficult to isolate. Once diagnosed however, the problem is usually a faulty cable connection. The two most effective tools for solving communication problems are the loopback tester (Berg PN 8009196), and the RS485 network tester (Berg PN 8005830). Both come with detailed instructions.

Local network connections

The first step in finding a communications problem is to check all connections as described below. You want to determine whether the communications fail for only a single ECU, or for all ECUs within a network. Check the following connections:

- ❑ 1. Is the RS-232 to RS-485 converter plugged into the computer's serial communications port?
- ❑ 2. Is the power transformer for the converter plugged into a 'live' outlet and into the converter?
- ❑ 3. Is the network cable plugged into the converter?
- ❑ 4. Are the ECUs' power cords plugged into a 'live' outlet?
- ❑ 5. Is the network cable connected to the computer? (If a TAP 1 ECU is included in this network, there is an additional adapter cable assembly that connects between the network cable and the first TAP 1 ECU.)
- ❑ 6. Are the ECU addresses correct? Be sure each has a unique number.
- ❑ 7. Is the communications baud rate for the network set to the same baud rate as the ECUs?
- ❑ 8. Is the correct communication port (entered during Network setup) being used?
- ❑ 9. Are the settings for the COM port itself correct?

If you're having trouble communicating after updating from a DOS version of **Infinity**, the problem may be due to changes made to the COM port's IRQ or address with the old version of **Infinity**. Those settings are no longer made in **Infinity**; they're defined by Windows. Find a copy of the settings from your old version and enter them using Windows.

Loopback tests

If you can't determine the problem by checking cable connections, perform loopback tests until the problem is diagnosed. See *Loopback Test* in the *ECU Diagnostics* section for help with performing the tests. Perform the tests in the following order:

COM port Loopback Test

1. Unplug the converter from the computer's COM port. (continued on next page)

2. Run the Loopback Test.

   If there are errors with the loopback tester disconnected and no errors when you connect the loopback tester, the COM port is OK. Perform the converter loopback test.

   If there are errors, either the COM port is incorrectly specified or the port is defective. If you're unsure this is the port you're looking for, try plugging the loopback tester into another 9 or 25 male pin port and see if the screen keeps counting errors. If any port you try doesn't quit counting errors, you may have a defective serial port or you may need to change the system's settings for your COM port.

Communication Wizard

- You.can also use the Communication Wizard, which will guide you through a series of communication and loopback tests. See *Communicatio Wizard* in the *ECU Diagnostics* section.

Converter loopback Test

1. Unplug the loopback tester from the computer's COM port and plug the converter back into the COM port.

2. Disconnect the network cable from the converter.

3. Connect the test cable supplied with the loopback tester to the converter (interconnecting the loopback tester and converter).

4. Run the Loopback Test.

   If there are no errors, disconnect the loopback tester and see if errors occur. If they don't, you've specified the wrong port. If they do, the converter and its transformer are OK. Perform the network cable loopback test.

   If there are errors, the converter and/or its transformer are not working. Substitute a different converter or transformer and run the test again.

Network Cable Loopback Test

1. Unplug the loopback tester from the converter and reconnect the network cable.

2. Disconnect the other end of the network cable from either the network junction box or an ECU, and plug that end of the network cable into the loopback tester.

4. Run the Loopback Test.

   If there are no errors, the network cable is OK.

   If there are errors, replace the network cable ends. If the test still fails, the cable is probably defective somewhere in the middle of the cable, and should be replaced.

If the loopback tests verify proper operation of components but communications still fail for only a single ECU, or for only a few ECUs (but not all), perform the ECU Communication Tests to test the individual ECU cable(s).

If communications fail for all ECUs within a network, the problem is either in the software configuration (e.g., the baud rate is set incorrectly), or in some hardware component or connection between the computer and the network.

ECU communication tests

Use these tests if only some of the ECUs in the network are not communicating with the computer. See *Communication Test* in the *ECU Diagnostics* section for help with performing the tests.

1. Disconnect all cables from one of the non-communicating ECUs.
2. Connect the ECU directly to the computer using a known good converter and cable. The only cables required for communication are the power cord and the communication cable.
3. Run the Communication Test.

   If there are no errors, the ECU is probably OK. Using Berg's RS485 Network Tester (PN 8005830) will give you a more certain result.

   If there are errors, check the baud rate and ECU number set in the software and in the ECU (unplug it first). If the settings are correct, try replacing the CPU board in the ECU. (If you switch boards, set the ECU number and baud rate in the ECU before re-trying the Communication Test.) If there are still errors, replace the ECU.

Daisy chain cables

If the ECU(s) test out OK, test the cable connecting the ECUs in the network. If you have a problem communicating with the last ECU(s) in a daisy chain, the problem is usually a cable problem.

1. Disconnect the last ECU in the chain and take it to the ECU it was connected to.
2. Connect a short jumper cable between the 2 ECUs.
3. Run a Communication Test.

   If there are no errors, the problem is in the cable previously connecting the ECUs.

Remote Network Communication Problems

Remote network communication errors usually include modem errors and/or cabling connections.

Check modem requirements

If you suspect a malfunctioning modem, first check to make sure that the modem's type, configuration and operational settings are consistent with the requirements of the Infinity system.

Non-Berg Modems

- Berg does not support modems not purchased and set up from Berg.

- ❑ All modems must be Hayes compatible—that is, they must respond to the "AT" command set and must have Hayes-compatible S registers.
- ❑ A separate phone line must be provided for each modem.
- ❑ If the phone lines at the installation are controlled by a PBX system, call the PBX dealer to see if that particular PBX system is compatible with modems.
- ❑ Berg's RS-485 to RS-232 converter must be inserted between the network modem and the first component of the network.
- ❑ The baud rate setting for all ECUs served by the same modem should be set to the same value, not to exceed the transmission capacity of the modem itself.

Check modem lights

If you have an external modem with status lights, observe the reactions of the lights to attempted communications. (A special communications utility such as Telix, ProComm, Q-Modem, etc. may be helpful for these sorts of diagnostic tests.) With configured modems properly connected, check to see that the AA (Auto Answer), TR (Transmit), and MR (Modem Ready/Power) lights are on. The HS (High Speed) light may also be on. As the modems communicate, the data or send-and-receive lights should blink.

If the lights on the modems are labeled differently, use the above names/labels as a guide. Also, some modems have only two lights, for power and data. Verify as much as you can from the available lights on the modems.

Check modem speakers

Most modems have a speaker. As you test the modem, you should be able to hear it take the phone line off-hook and dial.

At the network modem, you should hear the phone ring, and the modem answer, and then the carrier tone.

Check network software setup

Verify that the network setup information is entered correctly.

Communication test

If the software is configured correctly, test modem communications by running an ECU Communication Test. See *Communication Test* in the *ECU Diagnostics* section for help with performing the test.

1. Run the Communication Test.
2. As the test is running, monitor the indicator lights on both modems. (You will need an assistant at the remote location.) Verify the following status-light activity:

   The data or send-and-receive light should flash on the computer modem. The Off Hook light should turn on, indicating that the modem is dialing, and the Auto Answer light also should turn on.

   On the network modem, the Off Hook light should turn on, indicating the network is trying to answer, and you should then hear a loud screeching, static-like sound. When the modem has successfully answered, the Carrier Detect light should turn on at both modems.

   During communication, the data or send-and-receive lights should blink at both modems.
3. Stop the test.

   Both modems' Off Hook lights should turn off, indicating the modems have disconnected from the phone line. The lights on the modems should return to their original 'ready' states.

   If the modem lights do not respond as described above, test whichever modem seems to be at fault (or both modems) with some other communications application (for example, by dialing an online service or Internet provider).

   If either of the modems fails in a test with another application, replace that modem and repeat the test.

   If the modem lights do respond as described above, but communications still fail, the problem may be within the **Infinity** components. Perform the loopback tests listed under *Local Network Communication Problems* in this section. Use a gender changer and treat the network modem's 25-pin D connector like the computer's serial port to perform the test. Then remove the gender changer and plug the modem converter in and proceed to test it and then the communication cable.

Modem Dip Switch Settings

If you use a modem supplied by Berg, you don't have to worry about these settings. If you use a non-Berg modem, Berg does not support it.

Computer Modem	Station Modem
DTR Normal	DTR Forced
Auto Answer Off	Auto Answer On
Carrier Detect Normal	Carrier Detect Forced
Load Factory Defaults	Load Factory Defaults
Smart Mode	Dumb Mode

Pouring Problems

Check these tips and procedures for troubleshooting pouring problems. They may help solve the problem or help you isolate and define the problem for Berg service personnel.

Price level fails to switch (All-Bottle and Laser)

If dispenser price levels do not switch, but other operations appear normal, verify that price-level changes are enabled in the ECU definition. If the feature is enabled and the problem persists, isolate it as follows:

1. Replace the ECU with a substitute 'test' ECU, and try again.

   Make sure the baud rate and ECU number of the test ECU match those of the suspect ECU.

   If price levels switch with the new ECU, the problem was in the dispenser controller board or the CPU board of the original ECU.

2. If price levels still do not switch, unplug the cables connecting the dispenser to the replacement ECU, and inspect the connections for problems such as moisture, bent pins, corrosion, etc.

3. Whether or not you find an obvious connection problem, plug the cables into the original ECU (not the ECU you used for the test in step 1 above), and try again, and/or replace the cables and try again.

4. If still unsuccessful, remove the All-Bottle or Laser dispenser from its mounting plate and remove the cover.

5. Place the probes of an ohmmeter on the common and normally open leads of the switch.

   The meter should read > 1000 ohms when the switch is open, and < 2 ohms when the switch is closed.

   If the readings are incorrect, the switch is defective or incorrectly assembled, and should be replaced.

ECU stops pouring

1. Verify that the ECU is properly connected to all dispensers.

2. Verify (in software) that the portion and price level of the brand in question is not set to zero, and that the ECU itself is not disabled at the computer.

3. If a POS Interface driver is loaded and enabled, check to see if the sales terminal is in the correct mode. Then test with the ECU in the Pour Without Release mode or with POS bypass enabled. Try with the driver removed.

(continued on next page)

4. If these preliminary tests do not identify the problem, reset the ECU electronics: unplug the AC line cord from the ECU, wait five seconds, and then plug it back in.

5. If the problem persists, and the ECU includes an All-Bottle dispenser, realign the activator ring. See *Align All-Bottle Activator Rings* in the *Calibration* section.

   If the unit then pours, the activator ring alignment is probably 'drifting'. This can be caused by an aging activator ring, contamination of circuit boards, or loose or dirty cable connections. Another possible cause is immersing the activator ring in water or ice which can temporarily change the alignment.

6. If the problem persists, restore the ECU memory. See *Restore Memory* in the *ECU Diagnostics* section. (This clears ECU sales, so run an Archive and Clear Sales (Z) report first if you want to save the data.)

   If the unit then pours, the ECU had probably lost its memory, which can be caused by a dying battery on the CPU board. To test the battery, unplug the ECU again, wait one minute, plug it in again, and see if the ECU is still pouring and recording portions properly. If the ECU fails again, replace the battery. If the ECU does not fail again, the CPU board may be defective.

   Memory loss at the ECU may also be caused by 'dirty' AC power. The ECU is computer-grade equipment and sensitive to erratic power from a circuit shared by other electrical devices. Berg strongly recommends that each ECU derive its power from its own dedicated circuit, and/or via a line filter.

Dispenser portions become inaccurate

- ❑ Switch the assigned brand to Test Pour. This brand has a fixed set of portions you can test the dispenser with. (Remember to switch back to the correct assigned brand when you're done testing.)

- ❑ Are the portion sizes entered accurately at the computer?

  Check the portion sizes for the assigned brands at the price level and size you're trying to pour.

- ❑ Is the dispenser set at the correct price level?

  If you have Laser dispensers, the simultaneous pouring of the same brand at more than one dispenser can cause minor inaccuracies in portion size.

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Accuracy Utility

See *Accuracy Utility* in the *Hardware Installation* section for help determining the appropriate distance between Laser guns and the liquor racks. It also helps determine how many guns can share the same source bottles.

The magnitude of this potential inaccuracy depends on several factors that are specific to the physical configuration of the system, including the number of Laser dispensers supplied by a single tubing run, the lengths of tubing runs, and the size of tubing used.

A jumper setting on the Laser controller board in the ECU can set a 'lockout' feature that prevents the pouring of any brand at that dispenser if a pour for the same brand is already in progress at any other Laser dispenser. If this lockout feature has been disabled at the dispenser in question, simultaneous pouring of a single brand is possible, which might account for the inaccurate portions. (To determine whether the lockout feature is enabled or disabled, check the position of jumper JP4 on the Laser controller board. See *Set Laser Controller Board Jumpers* in the *Hardware Installation* section.)

Any other pouring inaccuracies are probably due to lost or otherwise disrupted calibration values. A recalibration of the brand should restore accurate portion sizes. See the *Calibration* section.

Erratic portion size

- ❑ Is the All-Bottle pourer “gummed up” or sticky?

  If so, turn the bottle to an upside-down diagonal and hold the pourer under warm running tap water for fifteen seconds. If that isn’t enough, remove the pourer and run hot water through it for two minutes. See Clean the All-Bottle Coded Pourers in the Maintenance section for instructions for cleaning the pourers after every bottle. (This is especially important with thick liqueurs.) If you are cleaning a pourer regularly but the problem persists or recurs, replace the pourer and send the suspect pourer to your dealer.

Brand does not pour at all (or just at one size)

- ❑ Switch the assigned brand to Test Pour. This brand has a fixed set of portions you can test the dispenser with. (Remember to switch back to the correct assigned brand when you’re done testing.)
- ❑ Are the portion sizes entered accurately at the computer?

  Check the portion sizes for the assigned brand at the price level and size you’re trying to pour.
- ❑ Are you attempting to pour complimentary drinks where comps are disallowed?

Software Problems

Software runs but not properly

- ❑ Check available hard disk space.
- ❑ Check your system resources. If they're at 50% or below, close other programs.
- ❑ Did you recently change anything on your computer (particularly installing other software)? If you've been using **Infinity** without any trouble and then suddenly encounter a problem, this could be the cause.

Error and Warning Messages

- ❑ Error messages, warnings and popup questions are numbered for easy identification and reference. (When the messages appear in a list box, status line or otherwise on a form or in a file, they are not numbered.) See the *Software Messages* section or online help for a complete list of message explanations.

Report and Export Problems

Report problems are usually related either to printer errors or database errors.

Reports do not print

If **Infinity** reports do not print at all, investigate the problem by this step sequence:

1. Verify that the printer is turned on, on-line, and properly loaded with paper.
2. Verify that the printer cable is securely fastened at each end—to the printer, and to the proper computer port.
3. Verify that the printer is set up as the default printer in Windows. (**Infinity** prints all reports using the default printer.)
4. Execute the printer self-test. (If necessary, refer to the printer manual for directions to execute a printer self-test.) If the printer self-test does not print, then the problem is in the printer. Repair or replace the printer. If the printer self-test prints as it should, then the problem is probably in the computer.
5. If the printer is ready, but **Infinity** reports still don't print, try printing something from another software application.

   If other applications can print, restart the computer to try to reestablish the printer connection.

Incomplete reports

- ❑ Check the paper supply.
- ❑ Check the printer's print head.
  Brush out any dust or paper impeding the print head.

Reports do not run due to database errors

- ❑ Did the computer suffer a loss of power while a report was running? Even a momentary flicker in the power supply, as sometimes occurs during storms, can cause database errors if a report is in progress.
- ❑ Perform the **Infinity** database diagnostic procedures included in the **Utilities** program. (See *Check the Database for Errors*, *Rebuild the Database Index Files* and *Repair the Database* in the *Database Management* section.)
- ❑ Reload the backup copy of system-configuration data you stored after installation, or reload from a recent backup.

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- ❑ Investigate possible hard disk problems.

  If the disk is full (or close to full), delete any outdated or unnecessary files.

  To reduce the space used by **Infinity** sales records, Clear Sales from your database at the computer. This erases all **Infinity** archive sales records. (See *Clear Sales from the Database* in the *Database Management* section.)

  Remove saved **Infinity** report files you no longer need. (See *Managing Report Files* in the *Reports* section.)

  Set the Archive Record Storage Length to a lower limit to conserve hard disk space. (See *Data Storage and Display Options* in the *Configuration Options* section.)

  Several commercially available diagnostic utilities (PC Tools Deluxe or Norton Utilities, among others) can automatically inspect the surface of a hard disk and report on any irregularities, and can even recover most—or all—of the data in the event of an otherwise catastrophic disk "crash."

Schedule Problems

Schedule stops prematurely

- ❑ Verify that an “Exit Schedule” action is not defined for the schedule.
- ❑ Check the schedule log and error log.

  The schedule log indicates when the schedule was started and stopped. If password protection is enabled, the name of the user who stopped the schedule is recorded in the log.

  If there is no “Ending Schedule X.SCH” entry in the log, a power failure probably caused the computer to restart. Consider adding the schedule to your Windows StartUp group or folder. See *Run a Schedule* in the *Schedules* section.

SECTION

24 Software Messages

This section provides explanations for the Error, Question and Warning messages associated with **Infinity** software.

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About Software Messages

Message Identification

The title bar of a message box displays the type of message (Error, Warning or Question) and an ID string. The ID string includes an alpha code and a number (e.g., **CM03**).

The alpha codes are as follows:

CM = Communications
DB = Database
ECR= Interface
GE = General
INF = General Infinity
M = Manager
R = Report
S = Setup
SCH = Schedule
U = Utilities

Error numbers are usually 1-99 (for Manager, the error range goes up to 199)
Warning numbers are 100-199
Question numbers are 200-299

How to find a Message

Message types are arranged alphabetically in this section (Errors, Questions, Warnings). Alpha codes are then listed alphabetically for each message type with a numerical listing for each alpha code.

For each message listed in this section, you'll find further explanation of the problem, a remedy and/or workaround and possibly a diagnosis method. In many cases, the diagnosis may involve sending information to Berg. See the *ECU Diagnostics* section.

Diagnose and Document

To help with any problem, get the following information:

- ❑ The exact set of messages. Note that all messages now have an ID so you do not need to copy the entire message.
- ❑ A detailed description of the steps needed to duplicate the problem. It is often useful to try to duplicate the problem yourself to make sure you understand the steps to repeat it.
- ❑ The version number of the software (Use **Help | About**).
- ❑ The version number of the EPROM(s). See *Troubleshooting Tips* in the *Troubleshooting* section.
- ❑ The Windows operating system of the client PC.
- ❑ It is often helpful to send a full backup (from **Utilities**) to Berg. Berg can then try to reproduce the problem.

Diagnostic mode

For a communication log, put the program into diagnostic mode (Ctl-ALT-D from main menu) and run the operation. Close the program and send the debug.inf file to Berg.

Also, in diagnostic mode, many error messages will allow you to click on a Help button and get additional information about the code that was executing at the time of the error. Write down the information from this diagnostics window.

Troubleshooting tips

Run check database and repair database to make sure that there is not corruption in the database.

Sometimes errors will occur when there are problems with the PC. One or more of the following may also help. Run a check disk program and/or other PC diagnostic tools to make sure that your hard disk and PC are operating correctly.

Shut down other programs. Sometimes other programs will interfere with the running of Infinity programs. Or trying to run too many programs at the same time will overtax the computer's resources.

Reboot. It is not unusual for a PC to get into a state where some or all programs will not run correctly.

Communication (CM) Error Messages

Note that all communications with an ECU are tried three times. An error must be persistent in order to produce an error message. For a communication log, put the program into diagnostic mode (Ctl-ALT-D from main menu) and run the operation. Close the program and send the debug.inf file to Berg.

ERROR CM00: Incorrect error message

Problem This message should never appear. Either the error number was not set or the error display routine was called in error.
Remedy Try rebooting the computer.
Diagnosis Debug.inf

ERROR CM01: Can't open comm port.

Problem This message should be preceded by CM20, CM21 or CM22. See those messages.

ERROR CM02: Can't transmit data. Check comm port.

Problem Communication data being sent through the comm port never got transmitted. (The maximum time the software waits for a transmission is 0.4 seconds (80 x 50 ms) This is probably a problem with your comm port.
Remedy Try using a different comm port or installing a new port. Rebooting or shutting down other programs may work if multiple programs are contending for the port.

ERROR CM03: No response from unit. Fix Communication problem.

Problem The message to the ECU was successfully sent but no response was received from the ECU. This is the most common communication error. After waiting 0.4 seconds (80 x 50ms) for each communication try, no legal response was received (both an STX and an ETX must be received). Usually, if you see this message, nothing was received from the ECU. There are many reasons for this error including the ECU has no power, the ECU is not connected in the Infinity network, a converter is not present or has no power, the wrong port has been selected or there is a loose network connection. For some older units, this error can mean a mismatch in the security code (see CM19).
Remedy Try the operation again. Check all connections to the ECU and power to the ECU.
Diagnosis Use the Communication Wizard to diagnose the problem.

ERROR CM04: No answer from modem. Check modems or fix communication problem.

Problem This occurs on a modem network when the phone connection could not be made. Both modems need to be operational. Check modem settings and the modem init string and phone number. Both modems must not be in use by another program and must be powered on. Sometimes modems just don't connect.
Remedy Try the operation again.
Diagnosis Any of the conditions listed under CM03 can apply. Note that the Communication Wizard cannot be used on a modem network.

ERROR CM05: Noisy communications line. Fix Communication problem.

Problem A complete message was sent to the ECU but the content was corrupted. This is often the result of a noisy communication line.

Remedy Try again. Replace the communication line. Make sure you have not exceeded the recommended line length for communication line.

Diagnosis Debug.inf

ERROR CM06: Incorrect response.

Problem The wrong ECU has responded to a communication message. One possible reason this can happen is when an ECU has the wrong security code.

Remedy Retry. If problem persists, identify the offending ECU. Cycle power on that ECU and Clear and Restore its memory.

Diagnosis Use Debug.inf to identify the ECU that is inappropriately responding. You can also run communication tests with show error check on each ECU to see if one has the wrong security code (CM19).

ERROR CM07: Unit received an invalid command.

Problem The ECU received a message that it does not know how to handle. In many cases, this is because the PC has misidentified the type or version of the ECU.

Remedy See CM12.

Diagnosis See CM12.

ERROR CM08: Unit received an invalid price level.

Problem The ECU received a change price level command but the intended price level is out of range. This is an unlikely error.

Remedy Retry.

Diagnosis Debug.inf

ERROR CM09: Noisy communications line. Fix Communication problem.

Problem See CM05. The detection of this error occurred at a different place but the error and remedy are the same.

ERROR CM10: Unit received an invalid file number.

Problem ECU cannot return the type of information that the PC has requested. Usually, this means that the ECU type or version doesn't match the definition in the database. You can also get this error if more than one ECU has the same ECU number.

Remedy See CM12.

ERROR CM11: Unit received an invalid record number.

Problem ECU cannot return the amount of information that the PC has requested. Usually, this means that the ECU type or version doesn't match the definition in the database. It could also mean the dispenser types do not match.

Remedy See CM12.

ERROR CM12: Record overflow.

Problem ECU has reported that the amount of data requested exceeds the amount that can be returned. Usually, this means that the ECU type or version does not match the one listed in the database.

Remedy Try Compare ECU in Utilities. This will show if the ECU definition differs from the database. If differences are noted, run Clear and Restore Memory to reset the ECU to the proper type and version. This can also result from a corrupted database. Run Check Database and Repair Database.

Diagnosis Put program into diagnostics mode. Run the operation again. At the error message, click on diagnostics button and record the information. Forward this info to Berg along with standard information.

ERROR CM13: PC received an invalid comm error.

Problem An unknown communication error has occurred.
Remedy Retry. Reboot and then retry.
Diagnosis Forward a debug.inf file to berg.

ERROR CM14: Network record not found.

Problem Network being used by this operation could not be found in the database. This could be a corrupted database or it could mean corrupted memory.
Remedy Reboot. Retry. Possibly repair database.
Diagnosis Run Check Database and Repair Database

ERROR CM15: Station record not found.

Problem Station being used by this operation was not found in the database. Possible database corruption. See CM14.

ERROR CM17: The ECU EPROM does not match the expected ECU type. Run Clear and Restore Memory or you may need to delete this ECU.

Problem The ECU type recorded in the database does not match the type of unit.
Remedy Set correct unit number on ECU. You may need to delete the current ECU. This message will appear when upgrading from Infinity to Infinity with All-Bottle ID. Use Clear and Restore Memory to make needed changes, then go to Setup ECU to change the All-Bottle dispenser type. If the database shows Infinity with All-Bottle ID and the ECU is actually Infinity with All-Bottle 7, you must delete the ECU to make this change.
Diagnosis Check ECU number. Compare ECU.

ERROR CM18: Unit busy. Please retry later.

Problem The ECU cannot perform the operation you requested since it is performing some other task at the moment.
Remedy Retry when the other operation is completed.

ERROR CM19: Invalid security code.

Problem The security code in the ECU does not match the security code in the database. When this happens, no communication is possible between the ECU and PC.
Remedy Cycle power on the ECU to clear its security code. Then Clear and Restore Memory to send the security code to the ECU.

ERROR CM20: Port %d is currently in use.

Problem Port is being used by another program or device. The device may be a modem or a mouse. Note that some programs will not release the port until they are exited. If a program crashed while using the port, the port may still think it is in use. When running a program in a DOS window, the DOS window will hold on to the port (even after the program completes) until the DOS window is closed. See also CM22.
Remedy Close other programs using the port. Close DOS windows. If this doesn't work, reboot to clear the port.
Diagnosis Check that you are using the correct port – the Communication Wizard can be used for this.

ERROR CM21: Port %d does not have appropriate hardware.

Problem 8250 UART or better is required to use the comm port. Most equipment (com boards, PCs, modems) will easily fulfil this requirement.
Remedy Upgrade your port or PC – it is very old.

ERROR CM22: Port open error %d on port %d. Port may be in use or may not exist.

Problem Port could not be opened – usually for one of the following reasons. Port is being used by another program or device. The device may be a modem or a mouse. Note that some programs will not release the port until they are exited. If a program crashed while using the port, the port may still think it is being used. When running a program in a DOS window, the DOS window will hold on to the port (even after the program completes) until the DOS window is closed. This can also mean the port does not physically exist on the computer or is not defined to Windows.

Remedy Close other programs that are using the port. Close DOS windows. If these do not work, reboot to clear the port.

Diagnosis Check that you are using the correct port – the Com wizard can be used for this.

ERROR CM23: Invalid Parameter comport %d, tone/pulse %d

Problem The tone/pulse selection on modem network setup does not match your modem settings.

Remedy Change network setup or the settings on the modem.

ERROR CM24: Not supported on demo

Problem Demo attempts to mimic the operation of the live operation without actually attempting any communication. The operation attempted does not have a demo equivalent. It cannot be demonstrated.

ERROR CM25: Only ECU # is allowed to communicate with this demo program.

Problem Demo Manager can be switched to do live connection. But only a single ECU is allowed to be connected. This operation has attempted to communicate with a different ECU.

Remedy Install DEMO again, selecting a different ECU number.

ERROR CM26: You must upgrade your EPROM to use this version of Infinity.

Problem The type of operation cannot be performed by this version of EPROM. Some features cannot be performed by all EPROM's.

Remedy Contact BERG for the latest version of EPROM for your ECU type.

ERROR CM27: The EPROM version has been changed. Run Restore Station Memory under Manager before continuing.

Problem The ECU version type has not been recorded properly in the database

Remedy Run Clear and Restore Memory.

ERROR CM28: MEMORY CORRUPTION DETECTED! Operation will continue.

Problem The ECU has examined its memory and found corruption. The current operation will continue but you may not be able to trust the state of the ECU.

Remedy Clear and restore memory. You may need to cycle power on the unit.

Diagnosis Debug.inf

ERROR CM29: Unexpected sequence number. Retry operation or delete ECU.

Problem The EPROM and PC have gotten out of sequence. The current operation is stopped. Often this is a timing problem. This can also mean that the ECU does not support sequence numbers.

Remedy If this is a timing problem, retry operation. If sequence numbers are not supported, you will need to delete the ECU.

Diagnosis If the error is reproducible, put the program into diagnostic mode and rerun the operation and send the debug.inf file to Berg personnel. Run Clear and Restore Memory. If you get a CM17, this is the wrong ECU type and you must delete the ECU. Run Compare ECU from utilities to check ECU type and version.

Database (DB) Error Messages

ERROR DB00: Network name not found.

Problem Network being used by this operation could not be found in the database. This could be a corrupted database or could mean corrupted memory.
Remedy Reboot. Retry. Possibly repair database.
Diagnosis Run Check Database and Repair Database.

ERROR DB01: Station name not found.

Problem Station being used by this operation was not found in the database. Possible database corruption. See DB00

ERROR DB02: Brand number in brand list not found.

Problem A Z or archive record refers to a brand that does not exist. Possible database corruption.
Remedy Reboot and retry. Fix database if corrupted. Or run clear sales to remove all archive records.
Diagnosis Run Check Database, Repair Database.

ERROR DB03: Cocktail information not found.

Problem A Z or archive record refers to a cocktail that is not defined or assigned. Or an assigned cocktail refers to a cocktail which does not exists. Possible database corruption.
Remedy See DB02.

ERROR DB04: Brand information not found.

Problem A brand assignment record does not exist in the database which is referenced in some way. Possible database corruption.
Remedy See DB02

ERROR DB05: Configuration record not found.

Problem Database configuration record is not found. This usually means that this is an empty database that was not properly installed.
Remedy Reboot and retry. Restore backup of the database. Or reinstall Infinity.

ERROR DB06: Station Z records not found.

Problem A z (last archive) record that should exist could not be located in the database. Possible database corruption.
Remedy Reboot and retry. Clear sales (this will wipe out all z records.) Repair database. Find and restore a recent database.
Diagnosis Run Check Database and Repair Database.

ERROR DB07: Station archive records not found.

Problem An archive sales record that should exist could not be located in the database. Possible database corruption.
Remedy See DB06.

ERROR DB08: ECU record not found.

Problem An archive station record which should exist does not exist in the database. Possible database corruption.
Remedy See DB06

ERROR DB09: Can't archive the brand records.

Problem Can't write an archive record for a brand. This should only happen during a Z. Possible database corruption.

Remedy Check that you are not out of disk space and free some up. Check that the disk drive is not corrupt. Locate a backup and restore it (you may lose some database.) Use clear sales to remove all archive records – this often clears the problem. Repair database.

Diagnosis Run Check Database and Repair Database.

ERROR DB10: Can't archive the cocktail records.

Problem Can't write an archive record for a cocktail. Possible database corruption.

Remedy See DB09

ERROR DB11: Can't store the cocktail records.

Problem Can't write a Z record for a cocktail. Possible database corruption.

Remedy See DB09

ERROR DB12: Can't store the station records.

Problem Can't write a z record for a station Possible database corruption.

Remedy See DB09

ERROR DB13: Can't store the brand records.

Problem Can't write a z record for a brand. Possible database corruption.

Remedy See DB09

ERROR DB14: Can't modify the station records.

Problem Can't write the ECU record in the database to accommodate some change, explicit or implied. Possible database corruption.

Remedy Reboot and retry. Repair database. Either a Backup disk or a Store Configuration disk may be used to recover last good copy.

Diagnosis Check disk for errors, Check Database, Repair Database. Full backup of the database can be sent to Berg for analysis.

ERROR DB15: Group name not found.

Problem Possible database corruption.

Remedy See DB14

ERROR DB16: Dispenser not found.

Problem Possible database corruption.

Remedy See DB14

ERROR DB17: Coil alignment record not found.

Problem Possible database corruption.

Remedy See DB14

ERROR DB18: Can't read database record. Retry.

Problem Possible database corruption.

Remedy See DB14

ERROR DB19: Group or station name not found.

Problem Possible database corruption.

Remedy See DB14

ERROR DB20: Can't modify the config record.

Problem Possible database corruption.

Remedy See DB14

ERROR DB21: Can't write database record. Retry.

Problem Possible database corruption.
Remedy See DB14

ERROR DB22: Partition information not found.

Problem Possible database corruption.
Remedy See DB14

ERROR DB23: Missing record in the database.

Problem Possible database corruption.
Remedy See DB14

ERROR DB24: This database version is not supported by this software.

Problem Each database has a version number. The number found is not supported by this version of the software. This can result from an incomplete installation or from copying an old version of the database.
Remedy Try reinstalling the software and choose to update the database. Find the correct backup or store of the database and reload it.
Diagnosis Determine the version of the software using Help | About. By putting the program in the Diagnostics mode and then clicking the diagnostics button on the message, you can find out the version of the database.

ERROR DB25: Unable to perform database operation.

Problem Possible database corruption.
Remedy See DB14.

ERROR DB26: Unable to perform database operation. Attempting to continue.

Problem Possible database corruption. The operation is one where it makes the most sense to try to continue.
Remedy See DB14.

ERROR DB27: Too many dispensers on this ECU

Problem An operation which loops through the dispensers found more than allowed on this ECU. Or the number of the dispenser may be more than allowed. The database may have errors. The operation may try to continue.
Remedy Reboot and retry. Run ECU Setup and check dispensers, make corrections if needed and save the information (Note if you change dispensers, you should also check your brand assignments.) Run **Utilities** to fix the database. If necessary, Restore a Full Database backup or Reload Configuration.
Diagnosis Run Utilities | Check Database and Repair Database. Check for disk corruption.

ERROR DB50: Fatal Error — Preparing for Infinity Database.

Problem Before the database could be opened, there was some error. This is likely a system error.
Remedy Reboot and retry. Run Diagnostics on your PC. Shut down other programs.

ERROR DB51: Can't open Infinity Database.

Problem The database could not be opened. Sometimes follows DB52 (if so, see DB52). Database could be corrupted or missing.
Remedy Reboot and retry. Try database repair functions from Utilities if Diagnostics indicate it.
Diagnosis Run diagnostics on database. Make a full backup of your database and send to Berg.

ERROR DB52: Database is locked. You may need to reboot your system

Problem One or more database files is locked. This will happen when the database base is not properly closed, possibly from a program crash.

Remedy Reboot and retry.

ERROR DB53: Can't open Logging Database.

Problem The logging portion of the database cannot be opened.

Remedy See DB51.

ERROR DB54: The current database is empty.

Problem The database is present but does not contain any information. (Even a new install contains some information in the database.) This is most likely an install that was not completed.

Remedy Reinstall or restore the last good backup.

ERROR DB55: Some database files are missing.

Problem Infinity has identified that some of the database files are missing. This may happen if Infinity files were deleted, you tried to copy database files or tried to use a store disk as the target database (store disks contain only configuration information, not a complete database.)

Remedy Reinstall or use a full backup to restore the database. In case of deletion, try using recycle bin or deleted file recovery utility present on some PCs to recover the missing files.

Diagnosis Send a directory listing of the files in the Infinity directory to Berg.

ERROR DB56: Logging Database cannot be accessed. Logging will be suspended.

Problem An error has been discovered in the logging portion of the database (probably during schedule.). Logging cannot continue because of this error. The schedule will continue and other actions may be successfully completed. Logs will continue to be placed in the error file and will also automatically be added to the debug.inf diagnostics file.

Remedy Check and correct database errors. Reboot and retry.

Interface (ECR) Error Messages

ERROR ECR05: Interface has not been properly installed. Install Interface from setup disk.

Problem Interface should be installed from setup disks. It used to be possible to move files by hand to mimic the installation, but it's no longer possible to do this. Interface setup is part of Infinity setup and the software is installed at the same time.

Remedy Reinstall using the Setup disk.

ERROR ECR06 Unsupported driver. Interface options are disabled. Please reinstall Interface.

Problem The NCR 2160 is no longer supported. This message may also occur if the driver cannot be determined.

Remedy Reinstall Interface from disk.

ERROR ECR07 Unsupported driver version. Interface options are disabled. Please reinstall Interface.

Problem The driver version is old and no longer supported or the version number cannot be determined.

Remedy Get an upgrade if appropriate and reinstall Interface from disk.

ERROR ECR12: Can not open the driver file.

Problem In the process of loading a driver, the driver file itself could not be opened. The file could be missing, the disk drive could have an error or there may be PC system errors.

Remedy Reboot and retry. Fix any disk errors. Reinstall Interface.

Diagnosis Check if the driver file exists. It has the drv extension. Check your hard disk for errors.

ERROR ECR13: Can not open the log file.

Problem When the verbose flag is on in the ECR Configuration file, a log file gives details about the loading process. This flag should be turned on only by direction of Berg personnel. This log file is created as a new file and overwrites any old file any time a driver is loaded. Failure to create this file is a disk or system error.

Remedy Reboot and retry. Fix any disk errors.

Diagnosis Check disk.

ERROR ECR14: Illegal record type in driver.

Problem The driver file could not be interpreted. Verbose can be set on to get additional information about this error but the most likely cause is that the driver file is corrupted or the disk has an error.

Remedy Fix any disk errors or reinstall Interface.

Diagnosis Check disk.

ERROR ECR15: Undefined segment.

Problem See ECR14.

ERROR ECR16: Segment is not relocatable.

Problem See ECR14.

ERROR ECR17: Fatal loader error, bad TIR record.

Problem See ECR14.

ERROR ECR18: Illegal TIR command.

Problem See ECR14.

ERROR ECR20: Command stack overflow.

Problem See ECR14.

ERROR ECR21: Command stack underflow.

Problem See ECR14.

ERROR ECR22: Underflow symbol.

Problem See ECR14.

ERROR ECR23: Loader ERROR signed byte out of range.

Problem See ECR14.

ERROR ECR24: Loader ERROR signed word out of range.

Problem See ECR14.

ERROR ECR25: Loader ERROR unsigned word out of range.

Problem See ECR14.

ERROR ECR26: Loader ERROR unsigned byte out of range.

Problem See ECR14.

ERROR ECR27: Loader ERROR mixed byte out of range.

Problem See ECR14.

ERROR ECR28: Loader ERROR mixed word out of range.

Problem See ECR14.

ERROR ECR29: Command 64 arithmetic rotate not implemented.

Problem See ECR14.

ERROR ECR30: Command 82 invoke macro is not implemented.

Problem See ECR14.

ERROR ECR31: Fatal loader error has occurred.

Problem See ECR14.

ERROR ECR32: Conditional loader error has occurred.

Problem See ECR14.

ERROR ECR33: Loader warning has occurred.

Problem See ECR14.

ERROR ECR34: Conditional loader warning has occurred.

Problem See ECR14.

ERROR ECR50: PLU cannot be removed.

Problem In the modifier order list, the PLU marker must be present. It cannot be moved off of the list since the PLU must always be part of the packet sent to the sales terminal.

Remedy This action will be prevented.

ERROR ECR51: Cannot open ecr.cfg file.

Problem The interface configuration file cannot be opened. It may be missing or the disk may be corrupt or there may be a system error.

Remedy Reboot and retry. If the file is missing, reinstall Interface. If there is a disk error, fix the disk problem.

Diagnosis Check disk.

ERROR ECR52: Syntax error in ecr.cfg file.

Problem The contents of the configuration file have been corrupted.

Remedy Reinstall Interface and use a store disk or backup disk to restore the ecr.cfg file.

Diagnosis The ecr.cfg can be sent to Berg for analysis.

ERROR ECR53: Internal error trying to read ecr.cfg file.

Problem The config file may be corrupted or the disk may be corrupt or there may be a system error.

Remedy See ECR51

ERROR ECR54: Unknown keyword in ecr.cfg file.

Problem See ECR52

ERROR ECR55: Wrong number of parameters.

Problem See ECR52

ERROR ECR56: An old style ecr.cfg file was processed. All modifier information will be lost

Problem An older style ecr.cfg file was found and used. Since this style cannot be interpreted entirely, the modifier information if present will be lost and will not be sent to the ECUs. If you do not use any modifiers, this will not present any problems.

Remedy Under driver settings, click on save as defaults after making any changes needed. This will write the config file in the correct format.

ERROR ECR57: At least one ECU had a communication error.

Problem When reading or writing driver or modifier settings, one of the ECUs had a communication error. Therefore, the information being viewed does not necessarily reflect the settings of all of the ECUs or the changes were not written to all ECUs. You should have seen one or more CM errors which identify the ECUs with the errors.

Remedy See CM error displayed and correct that. Retry the operation.

ERROR ECR59: The ECUs did not have identical options and modifiers.

Problem When reading settings from more than one ECU, the options and modifiers were not the same for every ECU. For most installations, this indicates an error. This may be preceded by ECR57. In that case, fix ECR57.

Remedy Make changes to the settings as need and send the changes to all ECUs.

ERROR ECR60: At least one ECU has an older version that cannot supply modifiers.

Problem Older EPROM versions had a different style of storing modifiers. Changes made to the modifiers can be sent to the ECUs but they cannot be read and correctly interpreted by the software.

Remedy Upgrade your EPROM version.

General (GE) Error Messages

ERROR GE00: Insufficient memory. Please exit.

Problem There is not enough available memory to continue running. The current operation may not have completed successfully. You should exit the program. It is unlikely any other operation will work.

Remedy Shut down all other programs and retry. In some cases, memory may have been permanently tied up and you will need to reboot the PC. Check that you have the required memory for Infinity and if not, add memory to your PC.

ERROR GE19: Can't delete database Z records.

Problem Whenever a clear and archive is done, the old last archive (Z) records must first be cleared. For some reason, this could not be done and therefore the new records cannot be written. This is often a result of corruption in the database.

Remedy Repair database if possible using Utilities. Fix any indicated disk problems. Clear sales will clear out all archive records even when this error occurs.

Diagnosis Check Disk. Run Utilities | Check Database and Repair Database to see if there are any database errors.

ERROR GE21: Can't delete out of date archives.

Problem Whenever a clear and archive is done, the program looks for archive records which are past the storage length of the archive records. These records are deleted. The deletion did not work for some reason.

Remedy See GE19. You may also be able to get around the problem by changing the storage length in Setup Configuration.

ERROR GE34: Unable to open a file.

Problem A file could not be opened. It may be missing, corrupt or locked by the system.

Remedy IF the file is missing, you need to contact Berg to see how to recreate it. This may involve reinstalling. Fix any disk problems. If a file is locked, you should reboot and retry.

Diagnosis Turn Diagnostics mode on. Click on the diagnostic button will give the name of the file. Check the disk.

ERROR GE42: Can't write to the file.

Problem The named file could not be written. This could be a disk problem or you could be out of disk space on the disk. It could indicate a memory or system problem.

Remedy fix any disk problems. Reboot and retry.

Diagnosis Check the disk and make sure there is enough disk space. If problem persists, take a full backup and send to Berg.

ERROR GE43: Unauthorized copy - Serial number mismatch.

Problem The serial number is stamped twice into the database. These two numbers are not the same. This could be the results of a bad install or an improper restoration of a database backup.

Remedy Reinstall. Find a good backup and restore it. Make sure the store/reload disk has the correct serial number.

ERROR GE50: Invalid User Name - Password combination.

Problem The user password combination is not valid.

Remedy Check your spelling and retry. If you cannot get in at all, use the setup disk to change the password or to turn passwords off entirely.

Diagnosis Setup can be used to confirm the names of the users but not the passwords.

ERROR GE51: Couldn't find Infinity data files. Please make sure you are in the right directory or that your BERG.INI file is correct.

Problem The Infinity database is sought in the directory the program runs out of and in the BERG.INI file. Usually all programs and database files are in the same directory.

Remedy Reinstall.

Diagnosis Check that the programs and database files are in the same directory. In particular, look for the file infdb.dbd. Open BERG.INI (found in the Windows directory) with a text editor and look for the line starting with DBPATH. This should also point to the same directory.

ERROR GE52: Unable to recover. You will probably need to reboot your computer.

Problem Parts of the database are locked. This may have happened during a previous error.

Remedy Reboot and retry.

ERROR GE53: Can't change drive

Problem In trying the locate the database files, the software attempted to switch to a different disk drive. This attempt failed. Check that the database is in the correct location.

Remedy Reinstall.

Diagnosis See GE51.

ERROR GE54: Can't open logfile %s

Problem This error appears in the schedule log when the error file could not be opened. Note that all errors will still be located in the schedule log.

Remedy See GE34.

Infinity (INF) Error Messages

ERROR INF01: This program was not meant to be run on this version of Windows.

Problem The current Infinity/Windows combination will not allow Infinity to be run correctly.

Remedy Install Infinity on a compatible versions of Windows.

Diagnosis Check the release notes, manual or setup disks for the Windows Operating System versions that your Infinity software runs on.

ERROR INF02: Please put a floppy in the disk and close the door

Problem You have tried to access a floppy drive but there is no floppy in the drive or the door to the drive has not been closed.

ERROR INF03: This drive or path does not exist.

Problem The drive or pathname selected does not exist and cannot be used or this operation. Often this will be a removable drive without any disk present.

Remedy Insert a disk or choose a drive and pathname that exists.

ERROR INF04: Internal Disk Error

Problem Disk error has been detected, probably on a floppy.

Remedy Check disk and repair or try with another floppy.

ERROR INF05: Invalid Date Format

Problem The date typed in could not be interpreted as a date. Check for mistyping and whether you are using the date format you have defined under Windows Control panel.

Remedy Retype a valid date

ERROR INF06: Invalid Time Format

Problem The time typed in could not be interpreted as a time. Check for mistyping and whether you are using the time format you have defined under Windows Control panel.

Remedy Retype a valid time

ERROR INF07: Serial Number does not match database.

Problem The serial number of the programs is not the same as the serial number in the database. The could be a bad install or an improper restoration of a backup.

Remedy Reinstall. Find a good backup and restore it. Make sure the store/reload disk has the correct serial number.

ERROR INF08: Form # is still Loaded.

Problem This error will only be shown when in Diagnostics mode. A form used by Infinity was not properly closed down when the program was closed. Normally, this will not cause any further problems.

Diagnosis Send information about this error and the circumstance which preceded it to Berg.

ERROR INF09: From Date must precede To Date

Problem When a date range is given the from or start date must always precede the to or end date.

Remedy Check the dates and enter a proper range.

ERROR INF10: Value must be in range

Problem A numeric value entered was too small or too large. Usually, this message will give the acceptable range of numbers. The displayed value will be reset to a value that is legal.

Remedy Enter a number within the range shown.

ERROR INF11: Please select an ECU

Problem The operation requested requires that an ECU number be entered or selected.

Remedy Enter the ECU number.

ERROR INF12: Unable to continue test

Problem A loopback or comm test cannot be completed. This will usually be preceded by some system error message.

Remedy Provide Remedy for the initial error message.

Diagnosis If there is no other error message, turn on Diagnostics and run test again.

ERROR INF13: Wrong version of VSVBX.VBX

Problem The wrong version of the version checking code was found.

Remedy Reinstall or get a newer version of Infinity to install.

ERROR INF14: # already exists

Problem The name or number of the new item that you attempted to create already exists. For example, every station and group must have a unique name. (The duplicate name replaces the # in the message.)

Remedy Select another name or number.

Diagnosis Check your existing list of items and their definitions to see if you have them defined the way you want.

ERROR INF15: # does not exist

Problem A file or item does not exist. This may be a name that you typed in or a file that normally should exist. If the file is missing, this may be the result of a improper installation.

Remedy See GE34.

ERROR INF16: File name # is illegal

Problem The filename selected is illegal and cannot be used for this operation.

Remedy Choose a legal file name.

ERROR INF17: Berg Infinity Manager is currently running. You must exit or pause it before running another Infinity program.

Problem You can only run one Infinity program at a time. The Manager program is already running.

Remedy Either exit the Manager program or pause it. You can pause it by closing all forms and pressing F5.

ERROR INF18: Berg Infinity Report is currently running. You must exit or pause it before running another Infinity program.

Problem See INF17

ERROR INF19: Berg Infinity Schedule is currently running. You must exit or pause it before running another Infinity program.

Problem See INF17

ERROR INF20: Berg Infinity Utilities is currently running. You must exit or pause it before running another Infinity program.

Problem See INF17

ERROR INF21: At least one item must be selected.

Problem This operation cannot proceed unless at least one item in the list is selected. There are two selection methods. The simple method, clicking on each item, selects or deselects it. In the extended method, clicking on an item selects it and deselects all other items. To select another, hold down Ctrl key when you click. To select a range select one and then hold down shift as you click. That will select all items between the first and second item clicked upon.

Remedy Select at least one item.

ERROR INF22: Disk is full. Please enter next disk.

Problem The destination disk is full. If it is a floppy, you may be able to continue by using a continuation disk.

ERROR INF23: Disk is full.

Problem The destination disk is full.

Remedy Remove unused files from your disk.

ERROR INF24: __ is not a legal Column Separator.

Problem The character shown cannot be used as a column separator.

Remedy Choose a different column separator.

ERROR INF25: Can't open file # with that kind of access

Problem File needed for the operation was already open with another type of access or can never be opened for this type of access. This is most likely when a file is to be opened for writing.

Remedy Exit all Infinity programs and retry. If that fails, reboot and retry. Or you may need to reinstall Infinity.

Diagnosis Check that another program is not using the file.

ERROR INF26: File # already open

Problem File needed for the operation was already open for another purpose.

Remedy Exit all Infinity programs and retry. If that fails, reboot and retry. Or you may need to reinstall Infinity.

Diagnosis Check that another program is not using the file.

ERROR INF27: File # not found

Problem File needed for the operation was not found. There is likely some file missing from your database.

Remedy Reboot and retry. Look for a good restore or backup disk and restore the database. Or you may need to reinstall from scratch.

ERROR INF28: File # not found. Please enter next disk.

Problem File needed for operation was not found. If there is another floppy disk, enter it now. If not, then this may not be a good store disk.

ERROR INF29: Store settings was NOT completed. This disk should NOT be used for reload settings!

Problem One or more database files could not be copied. There may be missing or corrupt files in the database.

Remedy Check the hard disk and the destination disk for errors and correct any of them. Reboot and retry.

ERROR INF30: Reload settings was NOT completed. The database may have been left in an undefined state!

Problem One or more database files could not be copied into the Infinity directory. Since some of the files could have been, the database may have been left in an inconsistent state.

Remedy Reboot and retry. Use a different store disk or backup disk. You may need to reinstall and rebuild the database from scratch.

ERROR INF32: The # font is missing and has been replaced by *. For best results, install the missing font.

Problem The font named by # is normally used by Infinity in its displays. It will be replaced by the font named by *. This message should only appear as a program is first loaded. All functions should work.

Remedy To avoid this message, locate and install the missing font.

ERROR INF33: Maximum count was reached. All counts reset to zero.

Problem A count such as used in the communication and loopback test has reached the maximum that can be handled or displayed. The count will be reset to zero and the counting will continue.

ERROR INF34: Can't exit program. Critical activity in progress.

Problem An Infinity function is performing a task that normally should not be interrupted. This message should appear when you are trying to stop a program by abnormal means, such as shutting down Windows.

Remedy Wait for Infinity to complete the ongoing task and then close the program.

ERROR INF35: Required fields have not been filled in.

Problem At least one field on this form has not been filled in that must be entered in order to complete the operation. In many cases, the focus will be returned to the missing field.

Remedy Identify one or more blank fields and fill them in.

ERROR INF36: Column # exceeds range. Line ! will be skipped.

Problem The column number # is outside the accepted range of values. The line given by ! will be skipped.

Remedy Identify the column and the line and check the file. Check that the column number has been identified correctly. If not, change the column number. Otherwise, change the value to be within the range.

ERROR INF37: Missing or empty column #. Line ! will be skipped.

Problem The column number # should contain some value. The line given by ! will be skipped.

Remedy Identify the column and the line and check the file. Check that the column number has been identified correctly. If not, change the column number. Otherwise, add a value to this column.

ERROR INF38: There are not enough lines in file #.

Problem The file # is required to have a minimum number of lines. Sometimes this occurs because the user indicated that there were some header lines to be skipped. By skipping these lines, there were no more lines left in the file to process.

Remedy Check that the proper file is being used. Reduce the number of header lines if that was entered in error.

ERROR INF39: Internal Error – Ordinal is not in the list of legal values

Problem Certain items kept track of by the Infinity program have ordinal values assigned to them; that is, they have a fixed set or list of values that can be used. A reference to an item was made that does not have one of the allowed values. This will usually be a program error, not a user error, hence the Internal error designation.

Remedy Closing the program or rebooting and retrying may allow you to continue. Check the last operation you did to see if it was retained.

Diagnosis Send the database backup and information about what you were doing to Berg.

ERROR INF40: You must create a new Group which includes all ECUs in order to proceed with this operation.

Problem This operation can only be run on the Master Group. The software has detected that you do not have the Master Group defined.

Remedy Create such a group. This is done not by adding the list of all groups to a new group but rather by checking the box which says includes all ECUs. (This way any ECUs added will automatically be included without having to modify this group.)

ERROR INF41: You must select the Group which includes all ECUs (#) in order to proceed with this operation.

Problem This operation can only be run on the Master Group. You have such a group but it is not currently selected.

Remedy Select the Master Group and continue with the operation.

ERROR INF42: Can't open #

Problem The file named by # could not be opened. The file may be missing or there may be a system or disk error.

Remedy Fix any disk errors. Reboot and retry may clear some system errors.

Diagnosis Check if the file exists and the disk for errors. Make sure the file is in the correct directory.

ERROR INF43: Error in file # - Not enough columns in line !

Problem The line ! in the file named by # is expected to be a text line containing a certain number of columns. Columns are pieces of text separated by one or more separator characters such as spaces or commas.

Remedy Change the separator if the file type allows you to do so (such as the sales terminal data file). Otherwise, recreate or get a replacement file from the producer.

Diagnosis Print the file to confirm the number of columns. Check for the correct separator.

ERROR INF44: Error in file # - Numeric column expected in line ! column %

Problem The file is named by # and the line number is !. The column numbered % should contain a numeric value but it does not.

Remedy See INF43.

ERROR INF45: # requires a numeric portion.

Problem An entered value must have a number as part of the string, such as ABC123. The value's name is given by #. An example is an order number used in Inventory.

Remedy Enter a text string with a numeric portion.

ERROR INF46: The maximum for the numeric portion of # is !

Problem The number that is part of the string entered has exceeded the maximum.
Remedy Choose a string with a lower numeric portion.

ERROR INF48: You cannot choose #. It contains the current Infinity database.

Problem An operation was attempted using the current Infinity database. The operation cannot be done in the current Infinity directory. For example, store configuration: Usually, a store is done to a floppy drive.
Remedy Choose a different directory or drive.

ERROR INF49: Can't launch # - Error = !.

Problem The program named in the error could not be started.
Remedy If the file is missing, reinstall the software. Reboot and retry. Fix any disk errors.
Diagnosis See if this program exists in the Infinity directory.

ERROR INF50: Unable to write file.

Problem A file could not be written.
Remedy If another more specific message was also displayed, use the remedy for that message. Fix any disk errors or clean up disk space. Retry.
Diagnosis Check destination disk for errors and for disk space.

Manager (M) Error Messages

ERROR M03: Product already exists under different product type

Problem A new product that you are trying to define already exists in the database but under a different product type.

Remedy Choose a new name or use the Switch Type button on the Modify Brand form.

ERROR M04: Can't restore station price level.

Problem On older EPROMS that do not recognize calibration mode, the software forces the unit into PL B in order to do any calibration. After the calibration, the unit is returned to its original price level. This restoration of price level failed (probably because of a communication error).

Remedy Fix the communication error and change price level to the desired setting.

ERROR M05: Portions cannot be learned for dispenser %d if brand is not set or Tap 1 Test Pour is still assigned

Problem Learn mode cannot be used on dispensers without an assigned brand or where Test Pour is assigned. (Test Pour cannot have its portions changed.)

Remedy Assign the brand that you will use at the dispenser before you run Learn Mode.

ERROR M06: Large and small pour sizes cannot be the same or zero

Problem The large and small portion used for calibration cannot be the same. (This should never happen since Infinity enforces this when the calibration portions are set.)

Remedy Go to Calibration | Units and Accuracy and reset the calibration portions.

ERROR M07: Calculated calibration value is too small. Reinitialize cal values and retry.

Problem After entering measured portion, Infinity calculates new delay and cal values. The result of this calculation is a cal value smaller than allowed. This is usually the result of improper starting values for delay and/or cal values.

Remedy Initialize cal values to known starting point or choose defaults. Repeat the calibration.

ERROR M08: Calculated calibration value is too large. Reinitialize cal values and retry.

Problem See M07. In this case, the calculated value is too large.

ERROR M09: Calculated time delay is too low. Reinitialize cal values and retry.

Problem See M07.

ERROR M10: Calculated time delay is too high. Reinitialize cal values and retry.

Problem See M07

ERROR M12: Product %s does not exist.

Problem The brand, cocktail or ingredient name given by %s does not exist in the brand list. This is likely the result of a database error or some previous error. The function attempted will not be completed.

Remedy If database errors, then fix them. Otherwise, reboot and retry.

Diagnosis Run database utilities and check for errors in database.

ERROR M13: Category %s does not exist.

Problem The category name does not exist in the category name list. See M12.

ERROR M15: Some ECUs are left undeleted in this network. Cannot delete network.

Problem At least one ECU could not be deleted from the database. Therefore the network could not be deleted. This is likely due to a database error.

Remedy Repair any database or disk error. You can also try to reboot.

Diagnosis Run database utilities. Check for disk errors.

ERROR M16: ECU has undeleted dispensers. Cannot delete ECU.

Problem At least one dispenser could not be deleted from the database and therefore the ECU cannot be deleted. See M15.

ERROR M17: Not all archive brand records were deleted for station. Cannot delete archive records

Problem Some of the records containing the details of archive records could not be deleted. Therefore, the archive cannot be deleted and the operation was not successful. See M15.

ERROR M18: Not all Z brand records were deleted for station. Cannot delete Z records.

Problem Some of the records containing the details of Z records could not be deleted. Therefore, the Z information cannot be deleted and the operation was not successful. See M15.

ERROR M19: Maximum networks already defined.

Problem You may only define 31 networks in an Infinity system.

Remedy Delete any unused networks.

ERROR M20: The maximum number of containers has been reached.

Problem You may only define 65535 containers.

Remedy Delete any unused containers.

ERROR M21: You cannot delete the last remaining container

Problem At least one container must exist in the system. You cannot delete the last defined container.

ERROR M22: Illegal product type for operation

Problem This operation only can be performed on certain product types. In particular, some operations are only appropriate to cocktails or brands.

Remedy Check product type of product(s) selected for this operation.

ERROR M50: You cannot copy to an ECU which has a different number or type of dispensers

Problem The copy ECU function can only be performed between ECUs that have exactly the same number and type of dispensers. The target you have chosen does not have any target ECUs that match the source ECU. The copy cannot be performed.

Remedy Check that you have chosen the correct ECU or group. You can copy individual dispensers that match by using copy dispenser.

ERROR M51: You cannot copy to a different type of dispenser

Problem The copy dispenser function will only work between like dispensers. The target dispenser does not match the source dispenser. The copy cannot be performed.

Remedy Check that you have chosen the correct dispensers.

ERROR M52: You cannot copy to a dispenser with a different number of sizes

Problem When copying dispensers, each must support the same number of sizes since price portion information is copied. This message will most likely appear when copying from a tap1 dispenser that is using alternate sizes to one that does not or vice versa. The copy cannot be performed.

Remedy Check dispensers named or change the alternate sizes setting on one of the dispensers.

ERROR M53: You cannot copy a dispenser to itself

Problem You have chosen the same dispenser as the source and destination. No action will be taken.

Remedy Select a different source or destination dispenser.

ERROR M54: There are no matching dispensers to copy

Problem When copying using station or groups to describe the target, at least one ECU or dispenser in the group must match the source item. (see M50-53). In this case, there are no matches at all and so the function cannot be performed.

Remedy You have likely chosen the wrong station or group. Change source or target.

Diagnosis Use individual ECU or dispenser as targets to see why each does not match the source item.

ERROR M55: ECU does not support the selected dispenser type.

Problem The ECU version does not support the dispenser type you have indicated. For example, certain versions of the Infinity ECU will only support the All-Bottle-ID and will not support the All-Bottle-7.

Remedy Select the appropriate dispenser type or contact Berg for an ECU upgrade.

Diagnosis Check ECU number. Under manager, go into diagnostics mode (Ctl-Alt-D) and select Get Version under Diagnostics to see the EPROM version.

ERROR M56: Too many ingredients listed for a cocktail.

Problem Infinity only supports up to 5 ingredients per cocktail.

Remedy Redo the recipes to contain no more than five ingredients.

ERROR M57: More than one column is the same.

Problem When specifying fields for an import or export field, normally a column cannot be used for more than one purpose.

Remedy Check the column number definitions and remove any overlaps.

ERROR M58: # column is required.

Problem The column named by # must be specified and cannot be zero.

Remedy Determine which column this field belongs in and enter the column number.

ERROR M59: Can't add a group that contains the group being defined.

Problem When modifying a group, you cannot add any group that contains the group being modified including the group itself. This would create a circular list.

Remedy Decide the mapping of groups. Try to create groups that reflect combinations of ECUs that you perform functions on at the same time.

Diagnosis Use F9 to view the definitions of existing groups.

ERROR M60: Name is already being used for a Station Name

Problem You have tried to create a group using a name that is already being used for a station. Since stations and groups are used in the same way, a group name must not conflict with any station name.

Remedy Change the station or group name. Make sure that the existing name is being used.

ERROR M61: Name is already being used for a Group Name

Problem You have tried to create a station using a name that is already being used for a group. Since stations and groups are used in the same way, a station name must not conflict with any group name.

Remedy Change the station or group name. Make sure that the existing name is being used.

ERROR M62: Columns must be consecutive.

Problem Columns must be numbered 1, 2, 3, etc. with no gaps in the sequence. Which field is first is not important and some fields may be skipped entirely by using zero. Some fields may also be able to share a column number with another field.

Remedy Revise column numbers to meet the above criteria.

ERROR M63: Name is already being used for a cocktail.

Problem A brand you are trying to import already exists in the database as a cocktail name. The brand will not be imported.

Remedy Edit the import file to use a different name for the brand or delete the cocktail from the database before you import brands.

ERROR M64: Name is already being used for a brand.

Problem A cocktail you are trying to import already exists in the database as a brand name. The cocktail will not be imported.

Remedy Edit the import file to use a different name for the cocktail or delete the brand from the database before you import cocktails.

ERROR M74: Product already assigned. It cannot be deleted.

Problem A prices and portion table cannot be deleted if it is assigned to a dispenser.

Remedy Remove assignment and then delete the table.

Diagnosis Check the Show Product assignments box to see where this price and portion table is assigned.

ERROR M80: Partition # is not being used

Problem At least one dispenser must be assigned to each partition. There is at least one partition which does not have any dispenser assigned. You may have forgotten to indicate to which partition each dispenser belongs.

Remedy Reduce the number of partitions (use Change button) or assign at least one dispenser to each partition (on dispenser tab).

ERROR M82: Not supported for this ECU type

Problem This function cannot be performed for any ECU of the type (Infinity, Tap 1) selected. You may have selected an ECU other than the one intended.

Diagnosis Check the type of the ECU selected.

ERROR M94: This operation is not allowed while one or more units are in calibration mode.

Problem Certain operations are not allowed when at least one ECU is in calibration mode.

Remedy Take all units out of calibration mode and retry the operation.

ERROR M96: Large portion must be at least three times small portion.

Problem When doing calibration for a unit that uses portions, the large portion should be at least 3 times the small. This gives the best results in calibration.

Remedy Choose new large or small values to meet this requirement.

ERROR M97: This operation is not legal with the Portion Lockout Jumper present

Problem When the portion lockout version of the software has been purchased, changes to portions can only be made when the jumper inside the ECU is moved to its inactive position or is removed. This keeps unaccounted portion changes from being made.

Remedy The ECU must be opened and the jumper removed before any changes can be made.

ERROR M98: Dispenser does not exist

Problem The dispenser selected does not exist and the intended operation cannot be performed.

Remedy Go to ECU Setup and add the missing dispenser.

Diagnosis Check that you have selected the correct dispenser for this ECU.

ERROR M100: A modem network requires a phone number

Problem When the modem checkbox is checked, this means the Infinity network is using a modem line. A phone number is required to dial up the remote modem at the ECU site.

Remedy Enter the phone number or uncheck the modem box if this network is not using a modem.

ERROR M101: # value is not supported by this ECU. Resetting to legal value.

Problem A feature or value is not supported by this ECU. (# gives the name of the feature.) This may be because of the type of ECU or the version number. Many features are available only in more recent EPROMs. For example, add a head limit can only be set for Tap1 EPROM of version 3.00 or higher.

Remedy If you wish to have this feature, you will need to upgrade your EPROM.

Diagnosis If you think this feature should be available, check the ECU number.

ERROR M103: You cannot delete, rename or change Test Pour.

Problem The Test Pour brands cannot be modified in any way. They exist so there is always a known brand with known portions to test pouring for every ECU type.

ERROR M104: No portions were poured - Nothing changed.

Problem Learn mode was entered but nothing was actually poured. Therefore, no portions can be learned.

Diagnosis If you did pour a portion, check the ECU number against the ECU that you put into learn mode. Learn mode is signified by the lights behind the repeat and cancel button on the tap going out.

ERROR M105: This function cannot be performed. There are no qualifying ECUs.

Problem The function can only be performed on certain types of ECUs. If you have none of these ECUs defined in your system, then you cannot run this function. For example, coil alignment is only performed on Infinity ECUs with All-bottle-7s.

ERROR M106: This function cannot be performed. There are no stations or groups.

Problem The function you are trying to perform requires a station or group. There are currently no station or groups defined.

Remedy Create a station and/or groups that contain(s) the ECU(s) for which you want to perform the function.

ERROR M109: There are portions for this product which are not shown. Choose a higher number of price levels or sizes for this product type to see them.

Problem The price table or cocktail definition has non-zero portions for sizes, price level or ingredients which are not displayed. This is likely because of the selected number of sizes or price levels for the user's system.

Remedy If you expected to see more price levels or sizes, use Manager and go to Pouring | Brand Operations | Select sizes and price levels. Choose a larger number of sizes, price levels or ingredients for the price table in question. If you did not expect to have any additional portions, use Utilities | Repair Database to zero out the unneeded portions.

ERROR M110: There must be at least # ! in the system. Operation cannot be completed.

Problem You cannot delete this item. You have reached the minimum count for this type of item. # is a count and ! is the item. For example, There must be at least 1 container in the system.

Remedy Use Rename if you want to change the name of the item or create others before you delete this one.

ERROR M111: # was recorded. The minimum pour amount is $.

Problem For monitor calibration for taps, # is the amount poured as recorded by the unit. However, calibration cannot be effectively performed unless a larger amount is poured and measured. This minimum is given by $.

Remedy Try again, making sure to pour at least $

ERROR M112: # was poured. The minimum pour amount is $.

Problem See M111. Instead, this is the amount measured and entered by the user.

Report (R) Error Messages

ERROR R04: Your hard disk may be full, can't post sales to the database

Problem The archive data cannot be entirely copied to the database. One reason is a full disk. It is also possible that there are write errors on your hard disk.

Remedy Check your disk space and remove unneeded files. You may also want to change the setting for the length of time that archive data is retained (use setup disk).

Diagnostics If the disk space seems to be OK, then run ScanDisk or other disk-checking utility.

ERROR R05: If you recently changed your network Security Code, it may no longer be valid.

Problem During an archive and clear, the network security code is updated if it was changed since the last Z. Due to errors during the process, this security code may not have been properly updated in the database or ECU.

Remedy Run Clear and Restore Memory for each ECU which has a mismatched security code.

Diagnosis Check the security listed under Network setup and attempt to communicate with each ECU. Any ECU with a general communication error (CM03) or security code communication error may have a mismatched security code.

ERROR R50: The maximum number of columns that can be selected is #

Problem There is a maximum number of columns that can be included in a report based on the number of columns that can be fit into landscape orientation.

Remedy Reduce the number of columns selected to the number shown or choose narrower columns to include on the report. (Note that landscape orientation might be necessary to properly view all of the columns.)

ERROR R51: No supplier has been assigned to any brand.

Problem Only brands which have suppliers assigned to them are part of Inventory. There are not any brands with suppliers. Therefore, some Inventory functions cannot be performed.

Remedy Make sure you have created at least one supplier. Then use Brand Setup's multiple button to assign a supplier to all brands that will be inventoried.

ERROR R52: Total Stock values must be entered.

Problem When running Initial Stock function, you must fill in total stock amounts for as many of the brands as you will be tracking. No stock amounts were entered.

Remedy Determine your initial inventory and enter in the amounts.

ERROR R53: Can't save date range that does not include today

Problem When saving report options or saving a custom report, all date ranges are relative to the date on which the report is actually run. Therefore, date range must include today and will be interpreted as running the report for the last X days where X is the difference between the From date and today's date.

ERROR R54: Can't change Archive Dates when # is selected

Problem Archive dates can be directly chosen for a report only when Archive List is the option chosen. If any other option is chosen, the archive date list is intended to show the archive dates that will be included. After acknowledging this message, the previously selected dates will be restored.

Remedy If you do wish to select dates from the list, click on archive list first.

ERROR R55: Printer Error #

Problem A non-specific problem was detected with the printer and the report could not be printed. The error number returned by the printing mechanism is given by #.

Remedy Fix the printer. Try rebooting. If this is a long term problem, you can save your reports as files until the printer problem is resolved.

Diagnosis Use printer diagnostics tools that came with your printer. Try printing with another program.

ERROR R56: Printer is not available

Problem The printer cannot be accessed.

Remedy See R55

ERROR R57: Printer job cannot be started

Problem The printer failed to respond.

Remedy See R55

ERROR R58: Printer is busy

Problem The printer is already printing a job and cannot handle the new one. Windows can generally handle this type of situation by spooling the pending print job.

Remedy Set printer to spool or wait until printer has finished the previous print.

Diagnosis Check that your printer is set to spool print jobs.

ERROR R59: Both beginning and ending hour must be entered

Problem A time range must have both a beginning and ending hour.

Remedy Enter both hours.

ERROR R60: Shift # is using an hour already included in shift @

Problem Shifts cannot overlap. The shifts numbered # and @ have at least one hour in common.

Remedy Check the shifts in question and correct by removing the overlap

ERROR R61: Export to file # failed

Problem The export which was to be written to the file named by # has failed.

Remedy If another error appeared before this one, fix that error first.

Diagnosis Check for available disk space and run a disk diagnostics tool such as ScanDisk.

ERROR R62: Price Level column is required for Size column.

Problem In order to include the size column in an export or report, you must also include the price level column.

Remedy From the columns tab, add the Price Level column to the selected columns or remove Size.

ERROR R63: Minimum Zoom factor reached

Problem You cannot zoom out any further.

ERROR R64: Maximum Zoom factor reached

Problem You cannot zoom in any further.

ERROR R65: No default printer assigned

Problem Reports cannot be printed without a default printer assigned.

Remedy Use View or Save instead of Print, or define a printer in your Windows control panel.

ERROR R66: Price Level and Size columns required for PLU column.

Problem In order to include the PLU column in an export or report, you must also include both the Price Level and Size columns.

Remedy From the columns tab, add the Price Level and/or Size columns to the selected columns or remove PLU.

ERROR R67: Print Spooler is not loaded. Printing is disabled.

Problem The Windows print spooler mechanism cannot be located. No printing will work.

Remedy Reboot and retry. You may need to reload parts of your Windows Operating System.

ERROR R68: End of Day must not be after noon

Problem When selecting End of day, the hour must be between midnight and 11 AM inclusive.

Remedy Pick a time in the AM range of hours. If you shut down before midnight, enter midnight for your end of day.

ERROR R69: No last report is present - function cannot be completed.

Problem The last report cannot be found. One reason is that you have not run any reports in this location. The last report is stored as a file so the other reasons have to do with not being able to read the file. It may have been deleted or you may be experiencing disk problems.

Remedy Rebooting may clear temporary problems. If disk problems are indicated, try to fix them.

Diagnosis Use a disk diagnostics tools such as ScanDisk. The name of the of last report file is lastrpt.rdf.

ERROR R70: Station column can not be selected with Archive Time column.

Problem The station column can not be selected at the same time as the Archive time column unless additional information is also selected.

Remedy Remove station column or archive time column from the selected columns. Alternatively, add PLU or network/ECU/dispenser column to selections columns. (These columns provide enough additional information to allow the station and archive Time columns to be retrieved at the same time.)

ERROR R71: Custom Export files can only be saved to the current directory.

Problem Because it is not known when a custom export may be run, the file names are limited to those in the current directory.

Remedy Choose a local file name.

ERROR R73: You must select a consecutive range of items in #

Problem All items in the list between the first and last one selected must also be selected.

Remedy Check the list and select all items required.

Setup (S) Error Messages

ERROR S01: This install is for Windows 98, Windows ME, Windows NT, Windows 2000 and Windows XP only.

Problem Infinity will no longer run on Windows 3.1 or 95.

Remedy Install on a PC with a more recent operating system.

ERROR S02: You must have full administrator permission to install this software on Windows NT or 2000. You are not logged in as an administrator.

Problem For a Windows 2000 or NT family machine, Infinity software is set up to be installed under the administrator. This allows all users to have access to the Infinity software.

Remedy Log on as an administrator and reinstall.

ERROR S03: Unable to create the directory %s

Problem The destination directory indicated could not be created. There may be disk or file system errors.

Remedy Choose a different directory and retry. Reboot. Fix any problems indicated by disk diagnostics. Create the desired directory yourself and reinstall.

Diagnosis Run a diagnostic tool like ScanDisk. See if you can create a new directory by other means.

ERROR S04: Conversion failed

Problem The final steps to converting the database failed. Usually there will be a previous error message displayed before this one.

Remedy Fix the earlier message. Then restore the previous database and reinstall.

ERROR S05: Error Copying file:

Problem The file named could not be copied. This could be for several reasons. If the file is being copied from the setup disk, there may be an error on the disk. You may not have enough space on hard disk. You may be overwriting a file which is in use. You may have disk corruption.

Remedy Fix any disk problems. Shut down all other programs. Try rebooting. Delete unneeded files from your hard drive if you are low on space.

Diagnosis Run disk diagnostics tools such a ScanDisk. Check your disk space.

ERROR S06: Unable to run database conversion program. Error = %d

Problem The database conversion program could not be run. It may not be present on the setup disks or the work directory or there may be file system problems on your PC. The specific error number is given by %d.

Remedy See S05

Diagnosis Call Berg with the error number.

ERROR S07: Database conversion program completed with errors.

Problem The part of the setup which will upgrade your database detected an error.

Remedy Restore your previous database, reboot and retry. Run Repair Database or other database fixing utilities on your old database to fix any indicated errors.

Diagnosis After restoring your previous database, run Utilities to see if there are errors in the database. It may not be possible to upgrade all databases with errors in them.

ERROR S08: Error deleting database work files.

Problem After converting your database, Setup will remove the work directory. These files were not able to be deleted. The setup will continue.

Remedy After setup, delete the _infwork directory under your Infinity directory.

ERROR S09: Internal dialog box error.

Problem Something has gone wrong trying to get install information from the user.

Remedy Reboot and retry.

ERROR S10: Unable to get serial number for source disk

Problem All setup disks are given a unique serial number for each customer. The serial cannot be found or read from this set of disks. The media may be bad or there may be some system error.

Remedy Reboot and retry.

Diagnosis See if the disks load on another machine. Display the contents of the setup media.

ERROR S11: DLL Error %d - Unable to load %s

Problem One of the components needed by Setup could not be loaded. It is named by %s. It may be missing or one of the components required by it may be missing.

Remedy See S05

Diagnosis Call Berg with the Error number %d.

ERROR S12: An error occurred during the data move process: %d

Problem The data move is the main process of moving files from the setup media to your hard disk. An error has occurred on file indicated. See S05.

ERROR S13: Disk set is not serialized.

Problem The serial number location was found but without a valid serial number. See S10.

Remedy Ask Berg Company for a properly serialized disk if S10 remedies do not work

ERROR S14: Please shut down all other programs before running Setup. (%s is currently running.)

Problem Installing a program always works best if no other programs are running during the installation. Setup has detected a program that might interfere with installation.

Remedy Shut down all other programs before proceeding with setup. In some cases, you can continue but you proceed at your own risk

ERROR S15: Failure to overwrite existing database. Check returned %ld

Problem User indicated that they wanted to overwrite the existing database but setup was unable to do this.

Remedy Clear the Infinity directory yourself and retry. Also see S05.

ERROR S16: This system has a 286 or 386 processor. A minimum of a 486 is required. Please contact your local computer dealer regarding possible upgrades.

Problem Infinity will not run on systems less than a 486. Berg recommends that you use a Pentium for better performance.

Remedy Install on a more powerful PC.

ERROR S17: Infinity requires at least the following Service Pack on the target machine:

Problem Microsoft often releases service packs for their Windows Operating Systems. The required service pack level is not present on your PC.

Remedy Download the latest service pack from Microsoft web site and install on your PC before trying to install Infinity.

ERROR S19: Error Code %d. Unable to stamp serial number to file %s

Problem The serial number on your setup disk must be stamped inside of each of the Infinity programs to ensure that there is not a mismatch between the database and the software. This stamp process failed. The target programs may be missing or there may be hard disk or setup disk errors.

Remedy See S05.

ERROR S20: %ld - Error defining dialog.

Problem A dialog to get information from the user cannot be created. The error number is given by %ld.

Remedy Try rebooting.

Diagnosis Call Berg with the error number if rebooting does not work.

ERROR S21: The destination directory is too long. Please choose a shorter name.

Problem The destination directory is limited to 35 characters.

Remedy Choose and type in a shorter destination directory.

ERROR S22: This program requires VGA or better resolution.

Problem The video resolution is set lower than VGA (640 x 480). The setup cannot continue with the resolution set this low.

Remedy Use control panel | Display | Settings to select a higher video resolution.

ERROR S23: The value is out of range.

Problem The value that was entered is too small or too large.

Remedy Enter a new value that is within the proper range.

ERROR S35: Can't open databases

Problem The old or new database could not be opened. Database could be corrupted or missing. Setup media could be incorrect.

Remedy Reboot and retry. Try database repair functions from old version Utilities if diagnostics indicate it. If the old database is in bad enough shape, you may need to install a new system.

Diagnosis Run diagnostics on old database.

ERROR S36: Can't locate record: xxx

Problem The install attempted to locate the named record type. This failed and a valid new database cannot be created.

Remedy Check that the disk drive is not corrupt. Reboot and retry.

Diagnosis Run diagnostics on old database. Make complete backup and send to Berg.

ERROR S37: Can't create record: xxx

Problem The install attempted to create the required named record type. This failed and a valid new database cannot be created.

Remedy Check that you are not out of disk space and free some up. Check that the disk drive is not corrupt. Reboot and retry.

Diagnosis Run diagnostics on old database. Make complete backup and send to Berg.

ERROR S38: Can't read record: xxx

Problem The install attempted to read the named record type. This failed and a valid new database cannot be created.

Remedy Check that the disk drive is not corrupt. Reboot and retry.

Diagnosis Run diagnostics on old database. Make complete backup and send to Berg.

ERROR S39: Can't write record: xxx

Problem The install attempted to write a change to the named record type. This failed and a valid new database cannot be created.

Remedy Check that you are not out of disk space and free some up. Check that the disk drive is not corrupt. Reboot and retry.

Diagnosis Run diagnostics on old database. Make complete backup and send to Berg.

ERROR S41: No Infinity Configuration Information. Empty database.

Problem Database configuration record is not found. This usually means that you are trying to upgrade from an empty database that was not properly installed.

Remedy Reboot and retry. Restore backup of the old database. Or you may need to install a new system.

ERROR S42: Fatal Error — Preparing for Infinity Database.

Problem Before the database could be opened, there was some error. This is likely a system error.

Remedy Reboot and retry. Run diagnostics on your PC. Shut down other programs.

ERROR S43: Can't find member of set: xxx

Problem The install attempted to locate a record. This failed and a valid new database cannot be created.

Remedy Check that the disk drive is not corrupt. Reboot and retry.

Diagnosis Run diagnostics on old database. Make complete backup and send to Berg.

ERROR S46: Can't switch to %s

Problem Setup tries to change is directory to the indicated install directory. For some reason, this did not work.

Remedy Choose a different directory name. Reboot and retry. Fix any disk errors.

Diagnosis Check disk for errors. Verify that the indicated directory exists.

ERROR S47: Can't switch back to %s

Problem After the install, setup tries to switch back to the original directory. This failed. In some cases, this will not affect the success of the install.

Remedy See S46.

ERROR S57: Error creating category name

Problem New installs will attempt to create the required category name Standard in the database. This failed and a valid new database cannot be created.

Remedy Check that you are not out of disk space and free some up. Check that the disk drive is not corrupt. Reboot and retry.

ERROR S58: Error creating Master Group

Problem New installs will attempt to create the required group Master Group (which includes all ECUs) in the database. This failed and a valid new database cannot be created.

Remedy See S57.

ERROR S59: Error creating configuration record

Problem For new installs or installing from 3.x databases, inventory configuration records must be created. This failed and the install cannot continue.

Remedy See S57.

ERROR S60: Error creating Product Type

Problem For new installs or installing from 3.x databases, the product types are defined in the database and must be created. This failed and the install cannot continue.

Remedy See S57.

ERROR S61: Error creating Container

Problem For new installs or installing from 3.x databases, the default containers must be created. This failed and the install cannot continue.

Remedy See S57.

ERROR S62: Error creating security level

Problem For new installs or installing from 3.x databases, the default security levels must be created. This failed and the install cannot continue.

Remedy See S57.

ERROR S70: Unable to find your Infinity directory - %s which is specified in your BERG.INI file.

Problem In order to start the configuration portion of the setup, the setup program attempts to position at the drive and path of the Infinity directory. This attempt failed.

Remedy Reboot and retry.

Diagnosis Check that the directory name exists with a valid Infinity installation.

ERROR S71: Unable to change to drive %s.

Problem See S70.

ERROR S72: Unable to start database operations.

Problem The database could not be opened to start changes that may be required for configuration setup. This will usually be preceded by another message.

Remedy See the **Remedy** listed for first message displayed.

ERROR S73: No Infinity configuration information found.

Problem See S41.

ERROR S74: No users in database. Nothing to modify or remove.

Problem You cannot modify or unregister users when none have been defined. If you are trying to create a new user, choose Register Users.

ERROR S75: You have passwords enabled but you do not have any users defined. You must either disable passwords or add users.

Problem When you turn on passwords, you must define one or more users or the software cannot be run. Passwords are used to start every Infinity program and determine which functions are allowed to the user.

Remedy To disable security, uncheck the password checkbox. Or, define users by using register users.

ERROR S76: Unable to create dialog box.

Problem See S20

ERROR S77: Unable to start help.

Problem The help file cannot be located or run on this system. This could be a error on the setup media or an error on your hard disk or operating system.

Remedy Call Berg with your question. Reboot and retry.

Diagnosis Run disk diagnostics and fix any problems found.

ERROR S78: A name is required. Please enter a name.

Problem Every user defined must have a name. This name is used as part of the logon.
Remedy Add a name.

ERROR S79: Missing password for %s. Please enter a password.

Problem Every user defined must have a password defined. This password is used as part of the logon.
Remedy Enter a password for this user.

ERROR S80: Duplicate name - A user with name %s has already been registered. Please enter a different name.

Problem There can only be one user with each name.
Remedy Enter a different name. If you wanted to change this user's password, use Modify User instead or Register User.

ERROR S81: Unable to Unregister user - No registration data exists for user %s.

Problem The user selected to be unregistered does not exist in the database. This is possible database corruption.
Remedy Fix database errors. Reboot and retry. Restore good backup of the database.
Diagnosis Use database utilities to diagnose any database corruption.

ERROR S82: Unable to add %s (%ld) to list

Problem A text string could not be added to a list to be displayed to the user. The setup media may be in error or there may be a system problem.
Remedy Reboot and retry.
Diagnosis Check setup media and hard disk for errors.

ERROR S83: Load Program failed on %s - error code = %d

Problem The program named by %s could not be run. It is required for some portion of setup.
Remedy See S06.

ERROR S84: You must have at least four security levels.

Problem Although you can add and delete security levels, you must always define at least 4 security levels. (Note that you do not need to assign any users to each security level.)

ERROR S85: All security levels must be consecutive. No gaps are allowed in the list.

Problem You can have from 4 to 8 security levels but they must be numbered starting at one. There can be no gaps in the list. (Note that you do not need to assign any users to each security level.)

ERROR S86: Security level %s is already being used.

Problem Each security level must have a unique name. At least two security levels have the same name.
Remedy Change one of the names.

Schedule (SCH) Error Messages

ERROR SCH02: File # does not exist

Problem You have a tried to select a file that does not exist and must exist for this operation.

Remedy Select an existing file.

ERROR SCH05: Unknown option #

Problem An option listed after an action in a schedule file is not recognized.

Remedy Edit the action to make it legal.

ERROR SCH06: This schedule file is not the most recent version. Some data may be lost.

Problem This is an earlier version of a schedule file. Some information may be lost.

Remedy Modify the schedule file and save it. All schedule files saved from the Schedule program will have the correct version inserted.

ERROR SCH09: Current action # is not supported for this database.

Problem The action selected is not supported by this database. Therefore, a different default action will be displayed in the Define Action form. The schedule being modified may be from a different installation or the installation has been modified in some way since this schedule file was created. Examples: A schedule with a custom report is modified after all custom reports are deleted. A schedule which is used to enable and disable Interface is modified after Interface has been removed.

Remedy Delete this action, replace it with another or restore the state that was present when the schedule was created.

ERROR SCH10: Custom export # does not exist

Problem The custom export named in the schedule does not exist. The schedule being modified may be from a different installation or the export has been deleted or renamed since the schedule was created.

Remedy Delete this action, replace it with another or change the name of the export file. You may also restore the database that was present when the schedule as created.

ERROR SCH11: Custom report # does not exist

Problem See SCH10

ERROR SCH14: Auto-Run or Recovery of Schedule failed

Problem You have set up an auto run schedule or a schedule has tried to recover. The schedule could not be run. This may be because of a mismatch in user name/ passwords if you have passwords enabled.

Remedy Check that you have not deleted the user who set up the auto run schedule. If so, you must save this schedule under a different user. If auto run failed otherwise, try saving the schedule again. To just run the schedule, use Schedule | Run.

ERROR SCH15: Both categories cannot be the same.

Problem When naming two categories in an operation, the two categories must be different.

Remedy Change one of the categories.

Utilities (U) Error Messages

ERROR U01: Current serial number was not found. Serial number was not updated.

Problem On a store where the serial number was being changed, the current serial was not found and therefore cannot be changed.

Remedy Use Help | About to see the current serial number and try again.

ERROR U03: Error loading DLL or database. Some functions will not be available.

Problem The database could not be opened or some supporting code file could not be loaded. Utilities will still run but a number of functions may not be available to run. Basically, any function that requires access to the database contents will not run. If one of those functions is attempted, an error message will be displayed.

Remedy Reboot and retry. Try restoring a good copy of the database, reinstalling or emergency recovery.

ERROR U17: This disk is not a store disk or contains a database with the wrong version. It cannot be reloaded on top of your current database.

Problem A store disk contains a file which identifies it as a store disk and gives the version of the database. The file is either missing or the database has been identified as one which is not compatible with the software. You should normally create a new store disk every time you upgrade the software and every time you make changes to the configuration.

Remedy If you have the wrong disk, insert the correct one in the drive.

ERROR U18: This disk is not a backup disk or contains a database with the wrong version. It cannot be restored on top of your current database.

Problem See U17

ERROR U20: This disk is not a store disk or contains a database that cannot be upgraded.

Problem Only certain database versions can be used in a previous reload database. This is not a database that can be used in this fashion or is not a store disk at all. See U17.

ERROR U21: This disk is not a backup disk or contains a database that cannot be upgraded.

Problem See U20

ERROR U50: No automatic correction is possible.

Problem The Repair Database utility has found an error for which this is not an obvious fix. No correction will be made by the utility. The nature of error will precede this error message.

Remedy You may be able to remove the inconsistency by making changes in Manager. The nature of the changes may be suggested by the specific error. In some cases, this error may not cause any side effects and does not need to be corrected.

ERROR U51: Missing required %s %s. It will be added.

Problem The repair database utility has a required record is missing. Since the contents of the record are known, the utility will add this record back into the database regardless of settings selected for repairdb.

Remedy This error is automatically corrected without further user action.

ERROR U53: Missing system record

Problem A system record was not found in the database. Most likely this is a result of a installation that was not completed.

Remedy Reinstall the software.

ERROR U54: Create check failed on %s.

Problem Repair utility was unable to create a new record during testing phase. The database is likely corrupted.

Remedy You may need to rebuild the index files or run the emergency rebuild utility.

Diagnosis Run Check Database for Errors utility.

ERROR U55: Unable to delete new %s.

Problem After creating a new record, the repair utility was unable to delete it. The database is likely corrupted. See U54.

ERROR U56: Error reading %s record.

Problem Repair utility was unable to read some database record. The database is likely corrupted. See U54.

ERROR U57: Error traversing %s record.

Problem Repair utility was unable to traverse through all of the records. The database is likely corrupted. See U54.

ERROR U58: Error traversing %s record by key.

Problem Repair utility was unable to traverse through all of the record keys. The database is likely corrupted. See U54.

ERROR U59: Error traversing %s record by set.

Problem Repair utility was unable to access all of the records by traversing the set. The database is likely corrupted. See U54.

ERROR U60: Error getting set for %s record.

Problem Repair utility was unable to read some database set for the record. The database is likely corrupted. See U54.

ERROR U61: Error setting owner of set for %s record.

Problem Repair utility was unable to find the owner for some database record. The database is likely corrupted. See U54.

Communication (CM) Questions

Question CM200: The ECU currently has different alignment values than that stored in the PC. Do you wish to reload the alignment values data from the PC into the ECU?

Problem Activator ring alignment values have been stored in both the database and the ECU but the stored values are not the same. Normally, after you Align Activator Rings, the values are stored using Store Alignment Values. If this is not done, Manager will remind you when you exit Manger. The fact that the two sets of values do not match probably means you didn't want to store the alignment values (because they may have been done improperly).

Remedy Answer Y if the last alignment done at the ECU was suspect and you want to return to the last good values stored in the database at the computer. Answer N if you expect the alignment values are good in the ECU. In this case, you should use Store Alignment Values in Manager after this operation is complete.

Interface (ECR) Questions

Question ECR200: Interface has just been installed. Do you want the driver to be loaded into every ECU? If you decline, you must use Load Drivers menu choice to load the drivers into each ECU.

Problem As soon as Manager is loaded after installing Interface, it will inquire whether the driver should be loaded into every defined ECU. If you answer Yes, the driver will be loaded in a single step. Choose Yes unless there are some ECUs which are not interfaced. By answering No, the drivers must be loaded into each appropriate ECU by using Interface | Load Driver.

Infinity (INF) Questions

Question INF200: # was found but is pending some action. Do you want to EXIT it anyway?

Problem Schedule was started with the /EXIT option. A running schedule program was found but could not be terminated. The caption of the running program is given by #.

Remedy Answer Yes to force the termination of the Schedule program. In most cases, this will work. Answer No if you do not want to interrupt Schedule.

Diagnosis Click on the Schedule icon to see its current state. The initial attempt to EXIT gracefully will not work if the target program is waiting for an answer to a prompt, is running a schedule action or is on some other form besides running a schedule or the main form.

Question INF203: Are you sure you want to delete #?

Problem This is sometimes followed by additional information to help make the choice. For example, for containers, the message will be "**x is being used. If deleted, it will be replaced by y**". Deleting an item is an action that might not be easily recovered. In some cases, it affects other aspects of the system. For example, deleting a group name may render some schedules invalid. For this reason, most deletions will ask the user to confirm.

Remedy Answer Yes if you wish to delete the item.

Question INF204: Some ECUs are not in sync with the database. Do you wish to send the database information to these ECUs?

Problem This message will appear when shutting down one of the Infinity programs. Some operations by their nature affect more than one ECU. One example is changing a price portion table. The changes will be sent to all ECUs where that brand is assigned. Usually this message will appear when there has been a communication problem with one or more of the ECUs. The change has been made is the database and on some of the ECUs but one or more ECUs were not able to get the changes. The types of changes pending will be listed at the end of this message.

Remedy If the communication problem has been fixed, answer Yes to resynchronize the database and the ECU. If not answer No and fix the communication problem.

Manager (M) Questions

Question M300: Do you wish to copy ECU alignment values to the database?

Problem If you have aligned the activator rings for an All-Bottle-7, but have not stored the alignment values, you will see this message when you exit Manager. If you do not store the alignment values in the database, they will be lost if you later do a Clear and Restore Memory.

Remedy If you have correctly completed the activator ring alignment, then answer Yes. If you know that you made a mistake in that process, answer No.

Question M350: You are about to delete all empty station and group names. Do you want to continue?

Problem All stations and groups which do not contain any ECUs are about to be deleted. This may affect groups and schedules that refer to the stations and groups being deleted. Operations, however, on empty stations and groups do nothing so it is best to remove them.

Remedy Answer Yes to confirm the purge. Answer No if you may want to reassign or reuse these names.

Question M351: You are about to delete all unassigned cocktails and prices and portions. Additionally, unused brand names and category names will be deleted. Do you want to continue?

Problem Any cocktail or brand price and portion tables that are not assigned will be deleted. If a brand has all of its price portion tables deleted then the brand name itself will also be deleted. If all price portion tables that use a category name are deleted, then the category name will also be deleted. If is usually best to purge these names to create a more concise brand list.

Remedy Answer Yes to confirm the purge. Answer No if you may want to assign these price and portion tables later.

Question M352: The cocktail or an ingredient is missing portion or price information for at least one price level. Are you sure you want to save this cocktail?

Problem A cocktail price and portion table needs to have a price for the cocktail for each price level. Each ingredient needs a portion and a price for each of the price levels. One or more of these values are zero. Without this information, the cocktail will not pour correctly or some reports will give inaccurate information.

Remedy Answer No and locate the missing information and fill it in. If you have a valid reason for omitting this information, you can answer Yes to continue.

Question M353: This function will realign the All-Bottle coils for code sensing. You must have all 7 codes available for realignment. Do you want to continue?

Problem When aligning the activator ring, it is required to have all 7 pourer codes to do the alignment correctly.

Remedy If you do not have all seven codes, answer No and locate the proper pourers. If you have everything you need to continue, answer Yes. After the alignment, you must still store the values into the database.

Question M354: Learn mode should be performed only after all taps have been calibrated. Learned portions on uncalibrated taps will not be recorded correctly and if you calibrate later, the learned portions will not pour correctly. Do you want to continue?

Problem At least one of the taps on this ECU has not been calibrated. If a tap is not calibrated and you learn a portion, the portion calculated will be incorrect. The brand will pour the correct amount but all reports using volume will be wrong. Furthermore, if you later decide to calibrate, the brand will no longer pour the desired amount since the portion was inaccurate to begin with.

Remedy Answer No and calibrate all taps before proceeding with this step. If you know which taps have been calibrated and you will only learn portions for those taps, you may answer Yes and continue.

Question M355: WARNING! This will clear all sales from the ECU. Are you sure you want to clear and restore memory?

Problem Clear and Restore memory will load the ECU with all data related to the ECU from the database. However, this data does not include the sales currently stored in the ECU. The clear will remove all sales data from the ECU and the restore cannot replace that data.

Remedy Answer Yes if you are willing to accept this limitation (or your ECU is not functioning correctly anyway). Answer No and Archive and Clear Sales if you want to save the sales data in the ECU.

Question M356: There are still some dispensers in calibration mode. Do you want to take these out of calibration mode?

Problem If you use enter calibration mode to put more than one ECU into calibration in order to calibrate more than one ECU at a time, you must explicitly take these units out of calibration mode. This message will appear at the end of Manager to remind you to do that.

Remedy By answering Yes, the units in calibration mode will be taken out of that mode.

Question M360: You have entered a station name (#) which does not exist. Do you wish to create a new station name?

Problem You can create a new station name for the ECU setup form by typing in an valid name. This can be done on new ECU or modify ECU setup. Since you can also choose from the existing station name list, this prompt wants to make sure that you didn't mistype, expecting to match a current station name.

Remedy Answer Yes if you intend to create a new station name. Note the existing station name will still exist (except when it is the default name on new ECU setup) and must be deleted if you no longer want it listed in the system.

Question M361: This will set all calibration values to match the brand you have selected. Continue?

Problem Dispenser calibration will take the calibration values that result from the operation and copy these values to every brand that is located on this dispenser. If you have already calibrated other brands, their calibration values will be overwritten.

Remedy Answer Yes if it is OK that all brands will use the same calibration values. Note that you can always recalibrate some brands later using brand or list calibration.

Question M362: Calibration sent to ECU. Values are NOT within #% accuracy. Do you wish to recalibrate this brand now?

Problem The difference of the amount you poured and the target volume was not within the accuracy that you desired. You may get better pouring results if you repeat the calibration process.

Remedy Answer Yes to repeat calibration using the values from the calibration just completed. If this question seems to come up too readily and pouring seems to work accurately, you may want to change you accuracy percentage. Use Calibration | Units and Accuracy.

Question M364: Do you want to use the High Flow pourer default values on the All-Bottle?

Problem When you press the Load Defaults button on the Initialize Calibration Values form, you need to indicate whether you are using the high flow or regular pourers. They use different starting calibration values. Both should be calibrated after setting the defaults.

Remedy Answer Yes to use high flow pourer values. Answer No to use regular pourer values.

Question M365: Reducing the number of sizes or prices levels will remove higher sizes and price levels from the current prices and portions definitions for one or more products. These price levels and sizes will have their portions set to zero and will not pour. Do you want to continue?

Problem For example, if you ask for only two price levels, only price levels A and B will be used. Any portion and prices that have been entered in price level C will be erased. Going into price level C for brands in this product type will result in no pours being allowed. If you later change the number of price levels to 3, you will see price level C prices and portions set to zero and you will have to enter them.

Remedy Answer No if you have changed your mind.

Question M366: Changing to a smaller laser will cause all brands to be reset to Test Pour and all cocktails to be removed. Do you want to continue?

Problem Changing to a laser gun with fewer number of buttons creates a problem for the Manager program. It is unable to guess how you might want to have the brands and cocktails assigned on this new gun since there may be some assigned to the higher numbered buttons which will no longer exist. Therefore, all assignments will be removed and replaced with test pours as if you had just created this ECU.

Remedy Answer Yes if you understand this limitation and want to continue.

Question M367: Changing product type may result in loss of sizes or price levels if the product type dimensions are not identical. Are you sure you want to change the product type?

Problem You can switch a brand's product type from the Modify Brand form. Each product type is allowed to have different number of price levels and sizes. If the target product type has fewer price levels or fewer sizes, then some of the prices and portions for this brand will be set to zero and will not pour at those higher price levels or sizes. (See M365).

Remedy Answer Yes if the dimensions are the same or losing some prices and portions is okay.

Question M368: This brand is already calibrated. Do you just want to copy its calibration values to the other brands without re-calibrating this brand?

Problem Choosing Dispenser or List Calibration copies the resulting calibration values from a single brand to all other brands or to the brands selected, respectively. If the selected brand to calibrate has already been calibrated, you may just copy these values without having to go through another calibration.

Remedy Answer No if you think you need to re-calibrate this brand. Answer Yes if you are pleased with the pouring of the brand and do indeed want to copy its calibration values to the rest of the indicated brands. (For list calibration, you will be asked to selected the brands after this question is answered.)

Question M370: Do you want to load the Interface driver?

Problem Whenever you create a new ECU or Clear and Restore Memory and you have installed Interface, you have the option to load the Interface driver. If you do not load the driver, the ECU will not be interfaced. This question is asked because some systems do not interface all of their ECUs.

Remedy Answer Yes if this ECU is interfaced to a POS or ECR sales terminal.

Question M390: Are you sure you wish to exit? Not all steps in this wizard are complete. Information may be lost.

Problem If you cancel a wizard before all steps have been completed, then the wizard's job is not complete. If changes have been made, they will not be saved.

Remedy Answer Yes if you do not wish to complete the wizard.

Report (R) Questions

Question R250: The width of the selected columns is wider than the current orientation of the printer. Do you wish to continue?

Problem The created report will be truncated because the total width of the report columns is more than the viewable width of the selected printer.

Remedy Answer No to stop and change the columns you have selected. Answer Yes to continue with view and then change the orientation to landscape.

Question R251: Any sales in the ECUs will be cleared by this operation. Continue?

Problem An Archive and Clear will clear the sales information in the ECU although it will be saved in the database. Archived data can be viewed by using any option besides Current when generating a report.

Remedy Answer Yes to continue the Archive and Clear.

Question R252: All order quantities are zero. This order will be deleted. Are you sure you wish to continue?

Problem If the order quantities for all brands in this order are zero, there is nothing left of the order and it will be deleted. This may occur on a new order or when modifying an existing order. Note you can use Delete Order to more directly delete an order.

Remedy If you really do not want any brands listed on this order to remain on order, answer Yes.

Question R253: Do you want to perform an Archive and Clear now?

Problem When ordering or performing an Inventory Check, the Report program will sometimes recommend running Archive and Clear Sales. This question lets you perform this operation without having to back out of Inventory Check.

Remedy Answer Yes to run an Archive and Clear now – this will be run on the entire system. Answer No if you do not need to archive. (Normally this means you don’t expect there are any current sales stored inside any ECU.) In either case, the Inventory Check will continue.

Question R254: Some Total Stock amounts are still zero or are negative. Are you sure you want to continue?

Problem On the Initial Stock or Inventory Check functions, it is expected that every total stock amount is a positive value. At least one stock amount is still zero or is less than zero.

Remedy Answer No and enter or correct the remaining stock amounts. Or use Delete Unused Brands to remove any unassigned brands. Or if this is not a brand that will be tracked via Inventory, remove the supplier assignment from this brand.

Diagnosis Information about these brands can be viewed via the Brand Information report.

Question R255: Order Quantity is not sufficient to restock #. Are you sure you want to continue?

Problem The Order Quantity, when delivered, should be enough to bring the total stock for a brand up to the minimum stock amount given by Order Point. # will list the brand(s) which do not meet this requirement. If there are many brands, then just the first few are listed. This check is only made on new orders and not if you modify an order later. Also, this check is skipped for brands that are already on order.

Remedy Answer No and increase the Order Quantity. Or you may answer Yes and continue.

Diagnosis Information about these brands can be viewed via the Brand Information and Container Stock reports. Also, under Manager, Brand Setup's Inventory section will show information about the total stock and Order Point.

Setup (S) Questions

Question S200: Do you wish to place Infinity program icons on your desktop?

Problem If you answer Yes, an icon for Manager, Report, Schedule and Utilities will be placed on your Windows desktop in addition to appearing in the Infinity folder. If you answer No, you will need to use the Infinity folder under Programs to start any Infinity programs.

Question S201: All archive data sales will be erased. Are you sure this is what you want?

Problem Clear Sales erases all archived sales data in your database. This means you won't be able to run any date range or most recent archive reports until you next Archive and Clear Sales at the ECU(s). Answer No if you want to retain your archived sales data. (Remember you can also choose to automatically delete sales data older than a certain date by using Setup's Configuration | Data | Storage Length.) Answer Yes if you want to delete all archived sales from your database.

Question S202: Do you want to load the sample database?

Problem A sample database in included with new DEMO and DISPLAY installations. The sample database is populated with ECUs and assignments and lets you quickly illustrate some of Infinity's features. Answer Yes if your would like to install this database. Answer No to build your own database.

Question S203: WARNING! Overwrite will delete all equipment setup, prices and portions, and stored sales in the directory: %s. Are you sure you want to do this?

Problem If you overwrite the database, you will lose all set up information you have already entered, such as ECU, brands and sales. Overwriting results in an empty database. If you intended to upgrade this database, answer No. If you really are willing to junk your previous database, answer Yes.

Question S204: Do you want a backup made of your current installation?

Problem The current database can be backed up by Setup if you like. This creates a full copy of the Infinity directory in a subdirectory named Backup. If you need to restore this version of the database later, simply copy the entire contents of the Backup subdirectory into the Infinity directory. If you want to have this safety net, answer Yes. If you have already done a full backup of the database yourself, answer No.

Question S205: The database in \'%s\' already has an Interface installed. Do you want to overwrite the default Options and Modifiers?

Problem When you install Interface, a set of default options and modifiers is also installed. If you have changed these defaults in Manager (using Interface | Settings | Save As Defaults) and you want to retain your defaults, you should answer No. If you want to reinstall the Berg defaults, answer Yes. If you answer Yes, you will still need to load the Berg defaults into each ECU which still has your defaults.

Question S206: Do you want to install Interface?

Problem IIf you are installing a new DEMO database, you are given the opportunity to include Interface. This question will not appear if there is already a database in the folder you select.

Remedy Answer Yes to install Interface.

Question S207: Do you want to copy the on-line manuals to your hard disk? If you answer No, the manuals can still be accessed from the CD.

Problem The manuals exist in PDF format on the installation CD. You can copy them onto your hard disk so that they are always available.

Remedy Answer Yes to copy the manuals. If you answer No, the manuals can still be accessed from the CD.

Question S272: Deleting any existing security level(s) will change users and functions with that security level to the lowest available level. Do you want to continue?

Problem When you remove a security level, it is possible you have functions or users who have been assigned that security level. Any function or user with the deleted security level will be changed to the security level with the lowest priority still available (the highest numbered).

Remedy Answer Yes to continue. Answer No if you want to check which user and functions may have been assigned to that security level.

Question S273: You are about to unregister user %s. Are you sure?

Problem When you unregister a user, that user is no longer available as a name which can log on to Infinity programs. Be careful not to delete the last user without also turning off the Passwords Enabled flag.

Remedy Answer Yes if you are sure that this user is no longer needed.

Schedule (SCH) Questions

Question SCH202: Do you wish to copy # to !?

Problem When clicking on an empty day tab in Modify Schedule, you will be given the opportunity to copy the contents of the previously selected day tab to the empty day. This gives you a good method of copying the same set of events to multiple days.

Remedy Answer Yes to copy. Answer No to enter a different set of actions.

Question SCH203: Press OK to confirm that you want to stop running this schedule.

Problem To prevent accidentally stopping a schedule, you must always confirm. If this question in not answered in a timely fashion, the schedule will continue.

Remedy Answer Yes to stop the schedule. Answer No if this was unintended.

Question SCH204: Press OK to confirm that you want to pause this schedule.

Problem To prevent accidentally pausing a schedule, you must always confirm. If this question in not answered in a timely fashion, the schedule will continue.

Remedy Answer Yes to pause the schedule. Answer No if this was unintended.

Utilities (U) Questions

Question U202: This procedure will completely overwrite your database with a previously backed up copy. Are you sure you wish to do this?

Problem When you Restore Full Database, your current database is completely overwritten. Any changes you've made or sales you've stored since the time of the backup will be lost. This procedure also copies schedules and saved report files from the backup copy, so any changes made to them will also be lost.

Remedy Answer Yes to overwrite the current database with the backup database.

Question U203: Do you wish to store configuration settings from $ to #? Berg recommends that the destination be empty of all other files.

Problem Check the destination indicated in the message to make sure this is where you want the store copy to go. This works best if the removable media or the directory indicated is free of all other files.

Remedy Answer Yes to continue. Answer No if the wrong destination appears or you are not sure if any files are located in the destination.

Question U204: This procedure will overwrite the configuration settings of your database in $ with a previous stored copy in #. Are you sure you wish to do this?

Problem When you reload configuration, this means that the configuration portion of your database (everything except the archived sales) will be overwritten with the stored copy. Any changes you have made will be lost.

Remedy Answer Yes to complete the reload.

Question U205: If there are errors in the database, this operation may result in loss of data. Berg recommends you Backup full database before continuing. Do you wish to continue?

Problem Repair Database or Emergency Rebuild are useful when trying to recover a database with errors. However, in some cases, these operations may result in a worse situation or may need to delete portions of the database. To be safe, it is best to have a backup of the database before you continue with these functions. (Do not overwrite backups that may contain good backups made previous to the errors being detected in your database.)

Remedy Answer Yes if you have a backup and want to continue.

Question U206: If you have just installed a new version of the software and are trying to recover your previous database, you may continue under the following conditions. The store or backup disk in # must contain a 3.11 or later database. You must follow this reload by reinstalling the software from your setup disks. The reinstallation will upgrade your previous version database. ***If you continue, you will lose any data already entered in the current database in $ and none of the currently installed programs will run until you reinstall.* Are you sure you want to continue the reload previous version operation?**

Problem Be aware that recovering from a backup or restore from previous version of the database will at least temporarily leave you in a state where none of the Infinity programs will run. Read the message to make sure that your situation qualifies and you have all the required setup disks. There is not any protection against making errors and you may end up with all data being lost.

Remedy Answer Yes to continue.

Question U207: Do you wish to backup full database from $ to #? Berg recommends that the destination be empty of all other files.

Problem Check the destination listed in the question. A backup works best if the removable media or directory is free of all other files.

Remedy Answer Yes to continue with the backup. Answer No if the wrong destination appears or you need to check if any files are located in the destination.

Repair database questions: The following are questions produced by the Repair Database utility when you ask for prompting. They always follow an explanation of the error detected by Repair Database. In most cases, the appropriate response is Yes to make the recommended fix. Note that at any time you can press Cancel which will stop asking for fix but will not make any further fixes. If you want all recommended changes to be made, Check the **Fix all without prompting** option before running Repair Database.

Question U250: Do you want to attach it?

Question U251: Do you want to move it?

Question U252: Do you want to delete it?

Question U253: Do you want to detach from station?

Question U254: Do you want to reattach to station?

Question U255: Do you want to remove second definition?

Question U256: Do you wish to set it to FALSE?

Question U257: Do you want to disconnect the loop?

Question U258: Do you want to remove this brand reference?

Question U259: Do you wish to reinitialize this brand_setup record?

Question U260: Do you want to remove this brand_setup record?

Question U261: Do you wish to reinitialize them?

Question U262: Do you want to remove this cocktail reference?

Question U263: Do you wish to fix button number?

Question U264: Do you wish to delete button?

Question U265: Do you want to remove this mix_setup record?

Question U266: Do you wish to delete ingredient from cocktail?

Question U267: Do you wish to set it to its current owner?

Question U268: Do you want to create a brand_setup record?

Question U269: Do you wish to reset it to the default value?

Question U270: Do you wish to zero out the illegal price and portion?

Question U271: Do you wish to delete this ingredient?

Question U272: Do you want to delete the duplicate?

Question U273: String Overflow. Do you want to truncate string?

Question U274: Do you wish to set it to TRUE?

Question U275: Do you wish to set it to an appropriate value?

Question U276: Do you wish to create a separate reference?

Communication (CM) Warnings

Warning CM100: Charge Cancels is not supported by ECU %d. Value ignored.

Problem Charge cancels is not supported by every EPROM version. This ECU does not and so the charge cancel setting will be ignored.

Remedy You may upgrade your EPROM is you want this feature.

Warning CM101: Add a head limit is not supported by ECU %d. Value ignored.

Problem Add a head limit is not supported by every EPROM version. This ECU does not and so the add a head limit setting will be ignored.

Remedy You may upgrade your EPROM is you want this feature.

Warning CM104: Warning — Neither ECU nor Database have Coil calibration data.

Problem When you Clear and Restore Memory, Infinity checks the alignment values stored in the database with those stored in the ECU. (See CM200.) Neither your ECU nor your computer database show any activator ring alignment values.

Remedy Press OK for the Clear and Restore Memory to continue. Afterwards, align the activator rings and store the alignment values to the database.

Interface (ECR) Warnings

Warning ECR100: Send after pour option ignored.

Problem Older EPROMS do not support the send after pour option. This does not affect other options and modifiers for this EPROM.

Remedy If you need this feature, you should upgrade your EPROM.

Warning ECR101: Size placekeeper for cocktails option ignored.

Problem Older EPROMs do not support size placekeeper for cocktails option. This does not affect other options and modifiers for this EPROM.

Remedy If you need this feature, you should upgrade your EPROM.

Warning ECR102: Comp modifiers ignored

Problem Older EPROMs do not support comp modifiers. This does not affect other options and modifiers for this EPROM.

Remedy If you need this feature, you should upgrade your EPROM.

Warning ECR103: Cancel modifiers ignored

Problem Older EPROMs do not support cancel modifiers. This does not affect other options and modifiers for this EPROM.

Remedy If you need this feature, you should upgrade your EPROM.

Warning ECR104: Type modifiers ignored

Problem Older EPROMs do not support type modifiers. This does not affect other options and modifiers for this EPROM.

Remedy If you need this feature, you should upgrade your EPROM.

Warning ECR108: PLU cancel increment ignored.

Problem Older EPROMs do not support cancel increments. This does not affect other options and modifiers for this EPROM.

Remedy If you need this feature, you should upgrade your EPROM.

Warning ECR109: PLU comp increment ignored.

Problem Older EPROMs do not support comp increments. This does not affect other options and modifiers for this EPROM.

Remedy If you need this feature, you should upgrade your EPROM.

Warning ECR111: Start modifier truncated.

Problem Older EPROMs stored all of the modifiers that precede the PLU in a single area. The combination of modifiers chosen has exceed the maximum length and some modifiers will be lost.

Remedy Review and reduce the number of modifiers or upgrade your EPROM.

Warning ECR112: End modifier truncated.

Problem Older EPROMs stored all of the modifiers that follow the PLU in a single area. The combination of modifiers chosen has exceed the maximum length and some modifiers will be lost.

Remedy Review and reduce the number of modifiers or upgrade your EPROM.

Warning ECR113: At least one ECU did not have a driver loaded.

Problem Most operations involving Interface let the user specify a group or station. At least one ECU in the specified group does not have a driver loaded. This operation will be skipped for those ECUs but the operation will proceed for all other ECUs.

Remedy Load the driver into every ECU or create and select a group that contains only those ECUs with Interface.

Warning ECR114: The EPROM version has been changed. Clear and Restore Memory before loading a driver.

Problem The driver was not loaded. If the EPROM has been changed since the last Clear and Restore Memory, the driver may not load properly.

Remedy Make a note of the ECU number and run a Clear and Restore Memory. At the end of the Restore, you will be given the opportunity

General (GE) Warnings

Warning GE100: Function not allowed for current security level.

Problem Each user and each function has an assigned security level. The current user does not have high enough security to perform the function requested.

Remedy Change to the user with higher security or use setup to increase the security for the user. You can also lower the security level for the function.

Infinity (INF) Warnings

Warning INF100: Berg recommends that you switch to a higher resolution or use small fonts.

Problem All Infinity forms can't be displayed properly with your current desktop settings.

Remedy Change your resolution to at least 640 x 480 or change from large fonts to small fonts.

Warning INF101: This operation was not completely successful

Problem At least one ECU did not respond to this request. This operation may have set a temporary state (such as enable) which is not saved in the database until we are done. In other cases, the operation is considered successful and is saved in the database. The operation will be broadcast periodically until the non-communicating ECUs respond.

Remedy Fix communication or other problem and retry this operation. You may also make use of Clear and Restore Memory or the automatic retry available for some partial operations.

Warning INF102: A conflict exists in the decimal and thousand separator settings. Numeric values will not be processed correctly. To check settings, use Start | Settings | Control Panel. Click on Regional Settings and check both Number and Currency tabs.

Problem If the decimal separator for Number does not match the decimal separator for Currency or the thousand separator for Number does not match the thousand separator for Currency or the decimal separator is the same as the thousand separator for either of these, Windows cannot correctly interpret numbers. Under these conditions, prices, portions and other numeric values may not be interpreted correctly.

Remedy Change the separators so that they do not conflict and rerun the program.

Diagnosis Start | Settings | Controls panel. Click on Regional settings. Click on Number tab and then on Currency checking the fields named above.

Warning INF103: Berg recommends that you switch to at least a Pentium processor.

Problem Infinity will not run well on anything less than a Pentium. In fact, the better the speed and memory capability of your PC, the better performance that you will experience.

Remedy Upgrade your PC.

Warning INF104: Berg recommends that you add memory to 8M RAM.

Problem Infinity will not run well on anything less than 8M RAM. In fact, the better the speed and memory capability of your PC, the better performance that you will experience.

Remedy Upgrade your PC.

Warning INF105: Setting the Infinity System Time will change the time for your PC and all of your ECUs.

Problem Changing the Infinity system time affects the time for your entire system. This includes the PC itself and all of the ECUs.

Warning INF106: Selected item is empty. No operation is possible.

Problem The operation you are trying to perform is not possible because it will result in no action. The station, group, order or other item that you selected to perform this action on is empty.

Warning INF107: Using the PC time for the ECU selected

Problem The time could not be read from the ECU so the time from the PC is being displayed instead.

Warning INF108: No changes made. No action taken.

Problem An operation was requested that would not result in any changes. Therefore, the operation is not necessary. For example, if you indicate that you want to change to price level C and all of the ECUs in the group are already at price level, this message will be displayed.

Warning INF109: Maximum length for # is !. Text was truncated after maximum number of characters.

Problem Infinity has a maximum length for many text fields. The name that you have selected or typed is too long. The text has been truncated to fit within the maximum length.

Remedy If the truncated name is acceptable, then you may continue. Otherwise, try a new name.

Warning INF150: Price Level %c is not supported by Network %s ECU %d. Price Level was not changed.

Problem Different ECUs support different numbers of price levels. The price level that you are trying to invoke is not supported by the ECU indicated. The price level at this ECU will remain at its present level.

Warning INF151: Price Level %c has no valid portions assigned to Network %s ECU %d. Price Level was not changed.

Problem Changing to the price level indicated would result in the ECU not being able to pour since there are no valid portions on any of the brands at that price level.

Remedy Check the price tables and add valid portions to the price level desired. Check that the price level is the one you intended.

Manager (M) Warnings

Warning M200: Name in use.

Problem See INF14. Usually this message will not be seen. It could indicate some database corruption.

Remedy If it does not seem that the message is accurate, reboot and retry or fix database

Diagnosis Run check database and repair database.

Warning M201: Ignoring assignment of %s %s. Dispenser %d does not exist

Problem A price table is being assigned to a dispenser that does not exist. This likely indicates some database corruption. The rest of the assignments will continue, however.

Remedy Reboot and retry or fix database

Diagnosis Run check database and repair database.

Warning M203: This baud rate is unsupported by ECU %d. Baud rate has been reset to 9600.

Problem The baud rate set for the network is not supported by all of the ECUs on the network. The baud rate is being reset to 9600 – a baud rate that is supported by all ECUs.

Warning M205: %s—%s does not have category %s and will be skipped.

Problem When a switch category operation is attempted, every brand that has a price table with first category name but does not have one with the second category name will be listed. This does not prevent the brand that do have both tables from being switched. In fact, if only some brands have been given alternate tables, it is expected that you would see this message.

Remedy You can cancel the operation if you did not expect to see this message.

Warning M206: %s—%s does not have the same definition as %s—%s and will be skipped.

Problem When a switch category is attempted for cocktails, both tables must have the same set of ingredients. If they do not, then the switch will not be allowed. (Otherwise, there may be problems having the appropriate ingredient assigned to all of the dispensers with this cocktail.)

Remedy You can cancel the operation if you did not expect to see this message.

Warning M207 The ECU options, dispenser types and/or brand assignments will be changed.

Problem This comes up during a Clear and Restore Memory when the ECU EPROM has been changed since the last save (See M265 for a similar message during ECU setup.) This may be triggered when you upgrade from Infinity to an Infinity All-Bottle ID system.

Remedy Answering OK will make the changes, save them in the database and send them to the ECU.
Answering Cancel will not make the changes and will stop the Clear and Restore operation.

Warning M250: Berg recommends that you assign brands before calibrating.

Problem Calibration is best performed with the brands that you will use. Additional help is available from the software if the portions to be used are assigned.

Remedy Assign the brand that will be poured before proceeding with calibration.

Warning M251: Sales data on this ECU will be cleared by this operation. It is recommended that you Archive and Clear Sales before changing the number of partitions.

Problem Changing the number of partitions in a Tap1 ECU will cause the unit to lose all of its sales data. If the current sales are important to you, you should Archive and Clear Sales (using the Report program) to save the sales information in the database. Alternately, you can run your favorite current report and have a paper copy of the data.

Remedy If you wish to save the current sales data, cancel the changes you have made and run the appropriate reports. Then change the number of partitions.

Warning M252: Calibration portion range does not include all brand portions. Inaccurate pouring may result after this calibration if you attempt to pour at volumes outside the calibration portions (X to Y).

Problem The smallest and largest portions that can be poured including cocktail ingredients have been determined to be much smaller or much larger than the portions used for calibration. The calibration process produces the most accurate results when pouring is done within or near the calibration portions.

Remedy Change the calibration portions to include a wider range. You may use the Change Portion button on the Enter Actual Amount form to do this (this button will also recommend cal portions to be used); or you may use the Units and Accuracy form. If you haven't entered the correct portions for brands, you may wish to do this first. If you are sure that the eventual portions will be within the cal portions, you can ignore this warning.

Diagnosis Check the portions you have set to make sure that they are correct. Look at both the price portion table for the brand and also at all cocktails for which this brand is an ingredient.

Warning M255: No default defined

Problem No default has been defined for the current item. No changes will be made to the present form.

Remedy Make changes you desire by hand. If you would like there to be defaults, go to the appropriate form and save default. (It may be the current form).

Warning M256: Portions should not be changed for # until the following dispensers are calibrated.

Problem Accurate portions are not possible until a brand or dispenser has been calibrated. Therefore, if you mean to change the portion to get a full portion, your first thought should be to calibrate the brand first. If the glassware is not being filled properly, then portions can be changed.

Remedy Cancel and calibrate. Or if you are actually changing the portion, you may continue with the change. However, you should still calibrate when you are done.

Warning M257: You must set up cocktail prices and portions before you assign cocktails

Problem There are no cocktails defined. You cannot assign a cocktail when none exists. It is not sufficient to have a cocktail name. Cocktails must have their recipe defined with the portion for each ingredient.

Remedy Create cocktails as needed. Then assign them.

Warning M258: You must set up prices and portions before you assign brands

Problem Thee are no brands defined. Therefore you cannot make any brand assignments.

Remedy Create some brands or use the brand wizard to create a standard list of brands. Then you may assign brands.

Warning M259: You cannot perform calibration without a brand assigned.

Problem If you select a button, code or dispenser without a brand assigned and then try to do any type of calibration, you will be stopped. Calibration must be based on a particular brand.

Remedy Select a brand to calibrate and continue.

Warning M260: Not all empty stations or groups were deleted.

Problem There was an error trying to purge empty stations and groups. An unknown number of these groups were deleted but some may remain. There was likely an error message displayed before this warning.

Remedy Fix the error indicated by the preceding error message.

Warning M261: Learned portions for unassigned brand ignored.

Problem In learn mode, you make sample pours to determine what volume is required from each tap. One of these sample pours was made on a dispenser that has no brand assigned. Therefore, the portions will be discarded.

Remedy If there should have been a brand, assign the needed brand and redo learn mode for the newly assigned brand.

Warning M262: Increasing sizes or price levels does not change any prices or portions. You must enter portions for each new price level and size in order for them to pour.

Problem When you select sizes and price levels to be shown by the software, increasing the dimensions will not affect any of the existing price and portion tables. The new price levels or sizes can now be seen but will all be zero.

Remedy if you want to use the new sizes or price levels, prices and portions must be entered for each brand. You may also want to store a new default prices and portions.

Warning M263: Actual ECU type is #.

Problem When you are defining a new ECU, if the ECU type does not match the one you indicated, then the type will be corrected. The ECU form shown will match the type of the actual ECU on the network.

Remedy If you think this message came up in error, then check the numbers set for each ECU.

Warning M264: There are no more ECUs that can be found on this network.

Problem Using the identify function will loop through all possible ECU numbers starting with the currently displayed ECU number. Using communication, the next ECU unit will be identified. This message indicates that there are no more ECUs that can be identified on this network that are higher than the initial ECU number.

Report (R) Warnings

Warning R151: The current report was not saved or printed. Pressing OK will lose this report.

Problem Any time you view a report without saving it or printing it, you will be given a chance to do so. Press Cancel if you would like a copy of this report. Print or Save then the viewer can be closed. Answer OK to close the viewer without saving.

Setup (S) Warnings

Warning S100: Unable to install auto-run scheduling.

Problem Changes are made to the system to enable the schedule auto run feature. These changes failed and you will not be able to use auto-run schedules.
Remedy Reboot and retry if you wish to use auto-run
Diagnosis Check your registry with a registry diagnostics tool.

Warning S101: No compatible database was found in %s

Problem This database cannot be upgraded. Your only choice is to overwrite and create a new system from scratch. Check your directory.

Warning S102: Serial Number Error - Unable to find serial number in %s

Problem All Infinity programs are stamped with the serial number on the setup media. The file named could not be stamped. You will not be able to run that program. There may be problems with the setup media or your hard disk. See S05.

Warning S103: Unable to determine processor information. A minimum of a 486 or equivalent is required. Anything less and the software will not run effectively.

Problem Setup attempted to determine the type of processor you are using but was unable to. You should make sure your PC has enough processing power to run Infinity. A 486 is the minimum, but Berg recommends a Pentium for better performance.

Warning S104: An error has occurred trying to identify the database in %s. You must select a different destination.

Problem The type of database cannot be determined. The database may be corrupt or you may be pointing to the wrong directory.
Remedy You may be able to use Utilities on the old database to correct database errors.

Warning S105: No database was found in %s

Problem An operation was attempted for which there must be an existing database. Make sure that you are pointing to the right directory.

Warning S106: The database in %s cannot be upgraded to this version of software. Contact Berg for upgrade instructions for version %s.

Problem There is not a supported upgrade path from your old database to this version. In some cases, an upgrade may be attempted and may work but this is not supported and you should check the results.

Warning S108: The following files did not register:

Problem Some files copied onto your system need to be registered with Windows. The files listed could not be registered and Infinity may not be able to be run.

Remedy Under some cases, Infinity will be able to register these files are run time. You can also register these file by using regsvr32 name.dll on the Start | run call line where name.dll was the file listed in the error message. You can also reboot and retry. Registration may fail if file dependencies are missing.

Warning S109: Unable to load sample database.

Problem The sample database you requested was not loaded. You may still be able to run with an empty database. This warning may result from a problem with the setup media or your hard disk.

Remedy See S05.

Warning S110: Serial number mismatch - The customer serial number from the database does not match the serial number of this product update. You must select a different destination.

Problem When you are upgrading, the serial number of your existing database must match the serial number stamped on the setup media. You either have the wrong setup disk or are pointing to the wrong destination directory.

Warning S111: There is not enough space, %ld bytes, on the disk %s. Please free up some space or change the target location to a different disk.

Problem Setup has determined that there is not enough room on the disk drive to perform the installation. Delete files in order to complete the installation. If there are not enough files that you can delete, you will need to select a different disk drive and buy a larger drive. Remember, that depending of how you use Infinity, additional disk space may be required beyond the disk needed to finish the install.

Warning S112: unInstaller setup failed to initialize. You may not be able to uninstall this product.

Problem Setup attempts to create an uninstall function if you later choose to remove Infinity. This function could not be set up and automated uninstall will not be available.

Warning S170: In order for Hourly Sales changes to take effect, you must Restore Memory to every existing ECU.

Problem You have changed the type of data to be recorded by the X4 report. In order for the data to be recorded, go to Manager | Diagnostics and Clear and Restore Memory to every ECU.

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COMPANY
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Infinity Installation/Service and User Manual Appendix

This appendix lists changes that have occurred since the most recent printing of the Infinity Installation/Service and User Manual (4.21 October 2002) to bring it up to date to release 5.0 of Infinity.

The related section titles in the October 2002 manual are given. The information in the Appendix replaces or supplements the section's current content.

Note that Help is always kept up to date and is available from any Infinity screen by pressing F1 or clicking the Help button.

Infinity Version 5.0 – Released Oct 9, 2006

Starting with Infinity version 5.0, Berg began licensing software. This was a major change from past practices. The primary reason for the change was to overcome the difficulty in supporting the many versions of software that are currently being used. Licensing provides a relatively pain free way to maintain your customers with the current version of software.

How does it work?
The software will be ordered and supplied on a CD as it is now. Interface and Demo are now part of Infinity. When you install the software, you will be required to register it within ten days of the installation in order to activate it. When you register it, you will receive a code which you will enter and this code will activate the software for a period of one year. As the one year nears expiration, a reminder will appear on screen, prompting the user to renew their license by the upcoming expiration date. The renewal process can be done by the dealer or the end user, the choice being yours. Annual activation will require a phone call, email, or a fax, along with a fee to cover the next twelve months licensing period. The person renewing the license will receive a code that is entered which will allow the software to operate for another twelve months.

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Section 1 Getting Started

Computer system requirements

Required monitor resolution is 800 x 600

Note that you can use a USB serial port converter to make more com ports available.

Also you can use an Ethernet converter to create logical com ports.

Some features are available only when you have the most recent ECU/EPROM versions. Check the release notes for details of which EPROMs support which features.

Planning Network Configurations

Using USB Ports

If you do not have enough serial COM ports to support your Infinity networks, you can use USB to 9 pin serial port adaptors. Please use the adaptors recommended and sold by Berg.

USB is an abbreviation for Universal Serial Bus. USB is a standard port that enables you to connect external devices (such as digital cameras, scanners, printers and mice) to today's computers. This port is rapidly becoming the new standard connection method between a PC and other devices. It is normal for today's PC to contain from 1 to 8 USB ports.

Many companies, including Berg, make equipment that needs to communicate to a PC through a serial port. The way we do this with today's PCs (including laptops) is to convert a USB port to one or two RS232 ports. Installing a USB converter requires the use of a special software program (included with the converter) to properly assign one or more COM port numbers so the PC can talk through the converter to the serial device on the other end. We continue this conversion process through our ISO converter to get our industrial grade RS485 communications interface to Infinity ECUs.

Once the converter and software have been installed, you can use the logical COM port in Infinity software in the same manner as an actual serial port.

Using Ethernet

The Infinity LAN Communication package allows communication to Infinity ECUs through an existing Ethernet local area network (LAN).

There is no need for an RS232 to RS485 converter. The Infinity LAN Communication package takes care of everything. Set up is quick and can eliminate the need to run a lot of communication cabling from the PC to the ECUs.

It works by setting up a serial port on your end user's PC that actually communicates through their local

area network to an Ethernet to Serial communication converter. The Ethernet to Serial communication converter can be set up on any network connection on your end user's LAN. From the Ethernet to Serial communication converter ECUs are daisy chained as normal with the standard six conductor cable. Multiple Ethernet to Serial communication converters can be used on a LAN by setting up separate networks in the Infinity software for each location.

This converter takes the place of the Converter Assembly or the Modem Converter Assembly. It is useful for installations where the building already has an Ethernet LAN installed. (Ethernet is the most widely installed Local Area Network (LAN) technology.) You do not need to know anything about Ethernet LAN, only whether the site has such a network.

*It is best that you first talk with the site's IT person before starting.

Note that the Ethernet converter essentially takes the place of an ISO converter (8009344) and a COM port. It does NOT give any more functionality to the system. It works with all versions of Infinity software.

1. Check with your IT personnel to see that the building uses an Ethernet network.
2. The Ethernet converter should be plugged into an Ethernet connection or hub nearest to the Berg ECUs. (A hub simply expands the Ethernet wall connection into additional connections, like a power strip does for electricity.)
3. The Ethernet Converter power supply must be plugged into an electrical outlet. NOTE: The supply shipped with the converter is a North American model, 120VAC input. If using the converter in Europe, you will need to replace it. The output is 9VDC at 500mA in a standard 2.5mm x 5.5mm barrel plug, center positive.
4. The PC (with the Infinity software installed) must be connected to the LAN using an Ethernet connection or hub.
5. Put the Systech software CD into a CD drive. This CD is included with the Infinity LAN Communication package. (If you don't have this disk, you can download the setup from Systech’s website - http://www.systech.com/software_support.html)
6. Install NativeCOM. Follow directions in the installation procedure. Reboot if needed.
7. Run NativeCOM Configuration utility.
8. Click Single Port | Add. This software will locate the Ethernet converter and assign it a unique IP address. (If the converter is moved, it retains this IP address unless explicitly changed. In some cases, NativeCOM will not be able to assign an IP address - see notes at end of this article.) You may need to check with the IT person to see if this site has any IP restrictions. In most cases, you should be able to let NativeCOM choose an address.
9. Select the Systech device as so that it is highlighted (it will be listed as NPS/1181).
10. Enter a Port Name. This just gives a name to this converter so it is easy to identify within NativeCOM.
11. Select a COM Port number. Only available COM ports will be shown. Remember this COM Port number.
12. The converter only has one port so you do not need to change the Port Server Port.
13. Click OK. You can ignore any Windows logo testing or compatibility warnings. Click on Continue anyway.
14. Repeat steps 8-13 if you have additional converters that you also use. Be sure to give each a different COM port number.
15. Reboot the PC. The converter can now be used from the PC as if it were a serial COM port.
16. In Infinity Manager, create a network.
17. Enter the port number selected in step 11 into Infinity Network Setup.

Note that there is NO Berg supplied cabling needed between the PC and the Ethernet hub (the PC is connected to the hub by existing Ethernet LAN cabling).

18. Plug the RS422 Adaptor included in the LAN package into the Port 1 of the Ethernet converter. The wiring of the adapter is provided.
19. Then run RS-485 Cable Assembly (PN #8007949) from the converter to the first Berg ECU.
20. You can daisy chain the rest of the ECUs together as you normally would with additional Cable

Assemblies.
21. If the ECUs are not all located together, you can purchase a second LAN communication package and repeat the process for a second batch of ECUs by creating a second Infinity network which uses a different COM port.

Notes:
There is additional information about this converter and the NativeCOM program in the manuals located on the Systech CD. You can also call Systech customer support.

Gather Equipment Setup Information

Stations

There are two types of Stations: Hardware Stations and Sales Stations. The term "station" will be used when referring to both types of stations.

A Hardware Station is a logical name for an ECU or a Tap 1 partition and represents an indivisible collection of dispensers. A Hardware Station is the smallest component of the Infinity system used for performing software tasks such as changing price levels or running reports. A hardware station never includes more than one ECU or more than one partition. Every ECU or partition must have a Hardware Station name and is assigned one when it is created. You can change the default Hardware Station name when you set up a new ECU or modify an ECU.

Sales Station is a bartender area or sales terminal area and will normally include more than one ECU or partition. Sales Stations combine Hardware Stations into a single area of accountability that are used by a single bartender and/or share the same POS sales terminal. An ECU or partition can not be in more than one Sales Station. Sales stations are not required except when using Micros 8700/Digital Dining or when running some forms of the reconciliation report. However, you can use them in other cases if you wish. Use Sales Station Setup to begin this entry process. Note the default when creating an ECU or partition is to have it associated with no sales station.

Both hardware and sales stations can be used to run reports or operations.

Preconfigure Software Files

Because of the new Licensing policy, you can no longer install more than one serial number on your PC. Instead, you will want to use the following process to help support multiple end users.

Using your own serial number, create the setup for an end user. Then change the business name of the database to represent the end user (see XXX). Make a backup of the database into a sub-folder using descriptive backup folder names (see Backup section). Note that the name will include the end user’s business name. It is then easy to switch between different end users using a single install since each end user has a backup folder with their business name and all of these backups are using your serial number. When you restore a backup, the business name is displayed on the Infinity programs’ title bar so it is easy to tell which database you are viewing.

When you are ready to transport a database to the end user, make a backup to removable media, changing the serial number to the end user’s.

It is important that if you keep a copy on your PC and the end user also has a database on site, that you keep track of which is the master and which is a copy. It is usually the case that the end user may make changes on site and their database should be considered the master and not the copy on your PC. When you visit the customer and want to use your laptop, make a backup from the end user PC, changing the serial number to your own. Then restore the backup to your PC to work out at the bar. If you make any changes, make a backup changing the serial number back to the end user’s and restore on the business PC.

Even if you have copies of each end user’s database on your PC, you should always have the customer make backups on site.

Hardware Installation

About Installing a Draft Sentinel

Refer to the Draft Sentinel Installation/Service Manual for hardware installation.

To get the Draft Sentinel to work with Infinity, use the following steps on the Draft Sentinel ECU.

1. Turn Key to Program
2. Press Setup.
3. Press down arrow until “Set ECU Number” appears.
4. Press Enter.
5. Use Up and down arrows to change the ECU number.
6. Press Enter
7. Press the up arrow until “Exit the Menu” appears.
8. Press Enter
9. Turn the key to Operate

Add the Draft Sentinel to an Infinity network. Note that there is only one RJ12 connector on a Draft Sentinel. If additional daisy chaining to other ECUs is desired use a Y type RJ 12 adapter. Now the Draft Sentinel can be defined in Infinity software using the ECU number you selected. Calibration and assigning brands should be done in Infinity. Note that Draft Sentinel is a monitor only connection and is not aware on any sizes and therefore cannot be interfaced to a POS even when it is part of an Infinity network.

Software Installation

Install Infinity Software at a New Site

The CD will start with a selection page which allows you to select and install the programs other than Infinity that are present on the disk. After clicking on a link, you may be asked if you want to run, open or save. Choose run or open.

Each serial number can only be installed on one PC (see new licensing section). Therefore, you will be asked to confirm the serial number at the beginning of installation. You will also be shown the Berg End User License Agreement (EULA).

During a new install, a Business name is given to each installation (see Business Name). The default for the business will be the folder name but it is advisable to change the it a name that reflects the actual business.

You can copy the manuals to the disk drive of your computer if you wish. The default is to leave the manuals on the install disk.

Changing the Serial Number

To assist in situations where a serial number has been shared on two or more locations, Convert Serial Number function will change the serial number of any version database to the current serial number.

1. Order a new serial number.

2. Insert the install CD.

3. To convert the present database to your current database serial number, click on Change from a Duplicate Serial Number.

4. When complete, upgrade your present database with its new serial number. (Click on Install Infinity software.)

Infinity Programs

There is also a Berg Infinity License program which can be used to remove the license (see Licensing).

Software Basics

Nearly all names used in Infinity have been increased to 31 characters from the old limit of 19.

Licensing

Berg's Software licensing gives you the use of Infinity software, free upgrades and support for one year, all for one low cost. You will be assured of always having the latest software.

Each serial number can only be installed on one PC. Each PC can only install one serial number.

You will need to renew your license at the end of each anniversary date. The About box will always show you the expiration date of your license.

Initial Activation

You will have a ten day grace period from the time that you install Infinity to the time you must complete the activation process. During the grace period, every time you run an Infinity program, you will be prompted to activate the software.

Also, at any time, you may use the menu (File | Activate) to start the activation process.

To Activate:

1. Click on Activate Button.
2. Choose Step 1, Contact Berg. Click Continue…
3. Berg must be contacted with identifying information in order to activate the software. Indicate how you want to contact Berg. Click Continue…

   A. By Phone

      A3. Call Berg Company and give them the Reference Code that appears on your screen. You will also be asked for other identifying information including your serial number.

      A4. After confirming your information and payment for the activation, Berg will give you a license key. Enter the license key on your screen. Click Continue..

      A5. If this is done correctly, your software will be activated and you will no longer see the grace period warning when you run Infinity software.

   B. By Fax. This choice requires a printer.

      B3. Enter required information including your Fax number, Business name, telephone and address. Click Continue..

      B4. If you have a printer attached to this PC, choose Print. A single page should be printed out at your PC's default printer.

      OR

      B5. Choose View to show the Fax data in a window. Cut and paste this data into Notepad or other program. Save the file and then move it to a PC with a Printer. Print out the Fax form.

B6. Fax the printout to the Berg Company at 608-221-1416.

B7. This completes step 1. You may continue working with Infinity software.

B8. When you receive a return Fax, Start the activation process again. Choose Step 2. Click Continue…

B9. Answer No to “Do you have a key file?”

B10. Using the information on the return Fax, Enter the Reference Code and License Key. Click Continue..

B11. Your software should be activated.

C. By Email.

C3. Enter required information including your Business Name, telephone and address. Click Continue…

C4. You have a choice of attaching a file to an email or using cut and paste to copy information into the body of an email. Pick a method and Click Continue…

C5. If you selected Create Key File, jump to step C6. If you selected cut and paste, send an email to Berg Company and cut and paste the information in the box on screen into the email. A subject line of “Activate Infinity” is recommended. Skip to step C8.

C6. Indicate the folder for the file. The default will be the Infinity folder.

C7. Send an email to Berg Company. A subject line of “Activate Infinity” is recommended. Attach the file named on screen to the email.

C8. This completes step 1. You may continue working with Infinity software.

C9. When you receive a return email, Start the activation process again. Choose Step 2. Click Continue…

C10. The return email will contain your License key in the message body and also as an attached file. You can either type in the codes or read the attached file to fill in the codes. To type in the codes, answer No to “Do you have a key file?” and jump to Step C14.

C11. To use the attached file, Save the file attachment onto your computer and note the folder location.

C12. Answer Yes to “Do you have a key file?”

C13. Select the folder location where the file attachment was saved. Click Continue… Jump to step C15.

C14. Using the information on the email, Enter the Reference Code and License Key. Click Continue..

C15. Your software should be activated.

Renewal

Sixty days before your license will expire, you or your dealer will be contacted by Berg so that you may renew your license. The software will also give you periodic reminders as you approach the expiration date.

When prompted, click on renew to extend your license for another year. Or at any time, you can use the program’s menu (Licensing | Renew) to renew.

Renewal uses the same steps as Activation. Note that by renewing early, you will not lose any licensing days. That is, your anniversary date remains the same.

Expiration

If your license expires, the software will not run. So do not wait until the last minute to renew.

Expired licenses can be re-activated via the renewal process. However, expired licenses will not be given priority over other activation. There may also be a pricing penalty for waiting until after expiration.

Berg will only reinstate current software. In the case that the software has lapsed and there is a new release, you must first install the upgrade before you will be allowed to re-activate your license. This means you must wait for a software CD to be shipped to you before you can activate and use the software.

Therefore, it is in your best interests to promptly renew your license when notified.

Software Upgrades

All licensed users will be automatically mailed software upgrades when they are available. Simply install the software on the same PC and the upgrade will occur automatically. Your license will not be affected and you do not need to re-activate.

PC Clock

Do not rollback the date on your PC. Doing so will invalidate your license. Daylights Savings time or other time adjustments do not affect your license.

Other Situations

You may transfer your license and the software to another PC.

If you plan to change the PC motherboard, hard disk or Operating System, contact Berg before you do this. A new license will need to be generated. (Note that Windows Update will not require a new license.)

Some other situations may also require you to remove your license and then re-activate the software.

Transfer license

1. You should remove the license from the old PC (See Removing a License.)
2. Install the software on your new PC.
3. Activate the software on the new PC using the normal activation sequence. Note that the expiration date for the software on the new PC will be same as the original license.

Removing a license

1. Run the License Utility (traffic light icon).
2. Click on the Remove… button.
3. If the software is not currently activated, you will jump directly to step 6.
4. Much of the remainder of the process is like the activation process: Contact Berg with identifying information. One additional piece of information is the removal reason. Select a removal reason. You may add a free form text reason also if you like.
5. Berg will contact you and you will need to enter a Remove reference and Remove key to complete the removal.
6. Finally, depending on the reason for removal, you will be asked to allow deletion of the Infinity software. For example, if you are moving the software, you no longer need Infinity on this PC.
7. If you do delete the software, it is recommend that you follow this with using Control Panel’s Add/Remove programs to remove Infinity.

Business Name

Each install may be given a Business Name. The Business Name appears in the title bar of all Infinity programs, in all report headers and is used in backup directory names (see Utilities). A Business Name can be entered during initial installation, in Report Options or from any program using File | Change Business Name.

Enter Software Preferences

Check Interface to remove POS interface capabilities from this Infinity Install. Note that you should remove the drivers from all ECUs before removing Interface. If Interface is not active, then you can check this box to add it. See Infinity/Sales Terminal Interface Manual for more information on Interface.

Check Use Descriptive Backup Folder to save backups and store configuration files in a folder. The folder name will include serial number, business name and date. You can also alter the folder name when you do the backup (See Database Management Section).

Uninstall Infinity Software

Before you uninstall, first remove the software license. (see Licensing for more information). Note that if you uninstall from Windows without first removing the license, you will not be able to install and activate a different serial number on this PC.

Click on the License Utility icon and follow the steps in Removing a License.

Configuration Options

Security Level Functions

There is are new Security Level Functions - Cocktail setup and Import. The default security level for both of these functions is 2.

Cocktails controls access to changing recipes and assigning cocktails. These functions were previously controlled under Brand Setup security.

Import controls access to importing prices and portions.

Enter Unit of Measure

Once you have enter portions into the database, you will no longer be able to change the unit of measure.

Clear Sales

Clear sales will erase all archived sales data. Completing this operation will limit the kinds of reports you can run. Clear sales can remove pours used for initial calibration. See Enter Data Storage for a way to set the storage length for archive records (and automatically delete archive records when they become too old).

Network and ECU Setup

New Network Setup

Networks can use COM port numbers up to 255.

Remote Network Options

The default modem init string is AT +PQC=3+PIG=1+PMH=1+PSS=2&D2&C1&N6|

Enter Infinity ECU Options

Note that not al options listed may be displayed if you are using the latest EPROM version.

Hardware Stations are created for every new ECU created. A Hardware Station name will be automatically generated for each new ECU or partition. You can change this name if you like.

Sales Stations can be created on the Setup Sales Station form or on any ECU setup form. The default for a new ECU is to not place the ECU in any Sales Station.

Step 9 : Select Cocktail Mode. The choices are Brand Pouring Only, Brand and Cocktail Pouring, or Cocktail Pouring Only.

Select Simultaneous ingredient to have all ingredients in a cocktail pour at the same time.

Select Start in Cocktail Mode if you want the initial state of the lasers to be in Cocktail Pouring mode.

Enter TAP 1 ECU Options

Dispensing methods are now called Flow Meter Only, Tap Head + Flow Meter and Tap Head Only.

When a tap uses a flow meter in conjunction with a tap head (referred to as "Tap Head + Flow Meter"), then you can adjust the sensitivity of the backup timer. The pour is always timed in case of the rare circumstance that a flow meter fails. However, the backup timer can interfere with a full pour especially when the flow rate is variable. You can use the Backup Timer... button on the Modify Tap 1 ECU form to change the backup timer percent from its default of 10% (meaning the pour is stopped when the *time* indicates that you have exceeded the expected pour volume by 10%.) This percent can be increased up to 100%.

Enter Draft Sentinel Options

The Draft Sentinel can be added to an Infinity network. It is a monitoring only ECU and therefore does not support all of the functionality as other Infinity ECUs. Only EPROM versions 2.00 and later are supported.

Enter Wine Bar Options

Wine Bar can be added to an Infinity network.

Copy An ECU

You can now copy an entire ECU definition to a new ECU. Use Copy when you are adding another ECU with the identical setup.

Information copied includes ECU setup choices, brand assignments and calibration. No station or group member ship is copied.

Show All Options must be checked to enable the Copy feature.

Click Copy and select the network and ECU. You cannot select an existing ECU as the destination.

If you are using sales stations, you will be asked for the sales station for the new ECU. You may select <none>.

A clear and restore memory will be performed so that the setup information is copied to the new ECU.

The new ECU will get an automatically generated hardware station name so you may want to Modify the new ECU to change this name.

Note you should check calibration for lasers or taps after this operation.

Move an ECU (Change Network or ECU Number)

Use Move when the ECU number or network is changed. After the operation, the existing ECU will be deleted. All settings are moved since it is assumed that the ECU is not being changed, only its number or network.

Show All Options must be checked to enable the Move feature.

Click Copy and select the network and ECU. You cannot select an existing ECU as the destination.

When complete, the ECU will no longer appear under its old location.

Read an ECU

You can also add a new ECU to the network by using Read button under ECU setup. This option is for catastrophic failure only where the database has been lost. If you have regularly backed up your system, you will not likely need to use this option.

The ECU you read should be a functioning ECU.

Show All Options must be checked to enable the Read feature.

The ECU cannot already exist in the database. After selecting a network and new ECU number, the ECU with that number is read and setup information currently stored in the ECU will be recovered. When possible, it will be matched up to prices and portions already present in the database.

Note that some information cannot be recovered from the ECU – this will vary by ECU type and are listed in a confirmation screen. Therefore, after reading you should check the settings and brand assignments and make adjustments as needed.

Station and Group Setup

There are two types of Stations: Hardware Stations and Sales Stations. The term "station" will be used when referring to both types of stations.

A Hardware Station is a logical name for an ECU or a Tap 1 partition and represents an indivisible collection of dispensers. A Hardware Station is the smallest component of the Infinity system used for performing software tasks such as changing price levels or running reports. A hardware station never includes more than one ECU or more than one partition. Every ECU or partition must have a Hardware Station name and is assigned one when it is created. You can change the default Hardware Station name when you set up a new ECU or modify an ECU.

Sales Station is a bartender area or sales terminal area and will normally include more than one ECU or partition. Sales Stations combine Hardware Stations into a single area of accountability that are used by a single bartender and/or share the same POS sales terminal. An ECU or partition can not be in more than one Sales Station. Sales stations are not required except when using Micros 8700/Digital Dining or when running some forms of the reconciliation report. However, you can use them in other cases if you wish. Use Sales Station Setup. Note the default when creating an ECU or partition is to have it associated with no sales station.

Both hardware and sales stations can be used to run reports or operations.

In many places in this section, the term Station refers to a Sales Station, for example, the sections: New Sales Station, Modify a Sales Station, Rename a Sales Station, Delete a Sales Station.

Delete Empty Sales Stations and Groups

Unused Sales Stations and Groups will automatically be deleted whenever Manager program is exited.

ECU Diagnostics

Communication Wizard

This now supports 8 COM ports.

Loopback Test

The default modem init string is AT +PQC=3+PIG=1+PMH=1+PSS=2&D2&C1&N6|

Get Version Number

Shows the EPROM version of the ECU.

Select Network and ECU number.

Brand, Cocktails, Prices and Portions

Add a New Brand

If you have more than one category, you will be asked to select a category or you may select All. A price portions tables will be created for the categories you select for this new brand.

Step 11: Select Specific Gravity. This is used when calibrating with grams (weight).

Add a New Cocktail

When you add a cocktail, you will be asked to select a category (unless you only have one category). A cocktail recipes will be created for the category you select. (Note that you must always fill in the actual recipe with ingredients and portions later.)

Modify Existing Brands

Brand lists can be sorted by descriptor. The Descriptor is optional text that can be supplied for any brand. To use, first make sure there are descriptors for every brand. Then check the Sort by Descriptor checkbox available on many forms where brands are listed. (You may first need to check Show All Options to see the Sort by Descriptor checkbox.)

To calculate the retail price for all brands, use multiple and the click calculate retail price. Retail price per unit is calculated for each brand by averaging all non-zero priced, non-zero volume portions for a brand.

From the single brand modify, you may copy the brand settings to other brands of the same product type by clicking on the Copy button and then selecting the brands which should get the same settings. The only field not copied is Product Code.

Brand Prices and Portions

If you have more than one category, you can pick a category on the selection screen to filter out the number of price portion table shown.

Click on sort by descriptor to list the price and portions grouped and sorted by descriptor name.

Copy: if you have more than one category, you may select the category that will be shown in the price portion selection list.

Copy prices and portions now allows you to copy only the portions and leave the prices intact.

Multiple Brand Prices and Portions

After clicking on Multiple, you can filter out the price tables being changed by selecting a product type, category and/or brand name.

Cocktail Prices and Portions

Manager can automatically calculate the ingredient prices for cocktails using one of three methods. This can be done for all cocktails at once (from Prices and Portions Setup) or for a single cocktail at a time (from Modify Cocktail Prices and Portions). The ingredient portion must be entered before you can do this calculation.

Method 1. Use Retail price per Unit. The brand retail price per unit must have been entered. The portion is multiplied by the retail price per unit.

Method2. Use brand prices and Portions. The full price portion table(s) for each brand must be completed. For each ingredient, the brand prices and portions is used to determine the average price per unit for each price level. When there is more than one category, the cocktail category will be used. If that category does not exist for an ingredient, then all of its category tables will be averaged, the derived price per unit is then multiplied by the ingredient portion.

Method 1. Make total portion prices equal cocktail price. The full price portion table(s) for each brand must be completed and the cocktail price must be entered before selecting this option. Portion prices are calculated according to the Use Brand Portions and Portions rules. Then the prices are pro-rated so that the total of all ingredient prices equals the cocktail price for each price level.

Assign Brands To Dispensers

When assigning brands or cocktails, you can select a single category to be displayed as possible price tables. You can choose <All> to see all price portion tables. (This option is not available if there is only one category used at the site.)

Check sort by descriptor to group the price table list by descriptor order.

Assign Cocktails to Laser Dispensers

Use Clear All to remove all cocktails assigned to the currently selected dispenser.

Start Pour Test

Pour Test allows you to test pouring operation (including POS interface) without using a lot of product. Start Pour Test sends very small portions to all dispensers in a given station or group. Only assigned buttons are changed. All sizes and price levels are set to this small test portion even if the portion in the assigned price portion table is zero. Price and PLUs are not changed. Cocktail ingredients are also set to this small portion.

Pour Test can be used to ensure that the correct brand pours. It can also be used to test whether PLUs have been set up correctly at a POS.

When you are done, you should Exit Pour Test.

Any pours made during pour test will be recorded in your usage and sales numbers for the assigned brand or cocktail.

Note that Pour Test is different from Test Pours. Pour test is a mode and Test Pour is a price and portion table.

Exit Pour Test

Pour Test allows you to test pouring operation (including POS interface) without using a lot of product. Stop Pour Test resets the portions in all dispensers to match the assigned brands and cocktails.

You should Exit Pour Test after you have completed your Pour Test. If one or more dispensers have been left in Pour Test, you will be reminded when you exit the Infinity program.

Doing a Clear and Restore Memory or other operation which sends assigned portions to an ECU will effectively Exit Pour Test mode.

Advanced Brand Operations

Price and Portion Defaults

The container default an be selected for the product type. (This is used whenever a new brand is created.)

When you select Copy, if you have more than one category, you may select the category that will be shown in the price portion selection list.

Copy prices and portions now allows you to copy only the portions and leave the prices intact.

Generate PLUs

This function automatically generates a sequence of PLUs.

1. Select the Price Portion Tables that you want to have consecutive PLU numbers by using drag and drop or using the Add button.

The tables listed can be changed by selecting a particular product type or you can choose <All> to see all Price Portion tables.

The brand list can be sorted by descriptor.

2. Put the brands in their PLU order. You can use Up or Down buttons or drag and drop to re-arrange the order if necessary.

3. Enter the starting PLU number.

4. You can select a single Price Level or generate PLUs for all Price Levels. If you choose a particular Price Level, the PLUs for all other Price Levels will remain untouched.

5. Indicate whether all Price Levels or all Sizes will use the same PLU and check the appropriate box.

6. If there will be separate PLUs for both Price Levels and Sizes, then you must indicate whether PLUs will be spread across Sizes before Price Levels or Price Levels first.

7. If you are not sure how the arrangement you pick will work, click on Show Example. A pop up will show the PLU assignments for the first brand.

8. When you are satisfied with your selections, click OK and the PLUs will be generated. If any of these tables are already assigned, the changed PLUs will be sent to those ECUs.

Categories

A new Category Setup form is the place to rename, delete and switch categories. You can get to this screen from the menu or from the Prices and Portions form.

Rename A Price Portion Category

Use Category Setup.

Select the current category name.

Click Rename

Enter the New name.

Click OK.

Create New Prices and Portions

New Prices and Portions can be created for more than one brand at a time. Use the New Prices and Portions button from Category Setup or from Prices and Portions Setup. You can create new Prices and Portions while creating a new category or by using an existing category. After selecting or creating the category, you can select all of the brands which should get a new price table for this category.

Use Category Setup

Click New Price and Portions

Select New category or Existing Category

If existing, then select the category name

If new, enter the new category name.

Select the brands fro which you want to have a price table for this category. (Note that only brands without a price table under this category are listed).

New prices and portions will be created for brand selected.

Use Modify prices and portions or copy prices and portions to adjust the created price tables if needed.

Switch A Price Portion Category

Use Category Setup

Select Category to switch.

Click Switch

Select category to switch to.

Delete a Category

Use Category setup

Select the category to delete.

Click Delete.

If there are any price portion tables using that category name which are assigned to dispensers, they will be listed and you will not be allowed to delete the category.

If there are no assignments then the category will be deleted as well as all price portions tables using that category. If a brand was only using the category that was deleted that brand will also be deleted.

Copy Prices and Portions

You can copy the prices and portions from any price portion table to any other table.

Use prices and Portions.

Select the price portion table.

Click Modify

Click Copy

If you have more than one category, you may select the category that will be shown in the price portion selection list.

Check copy portions only to leave the prices intact.

Select the from list all price portion tables that should get the same portions (and possible prices) as the original price portion table.

Click Continue

Import Brand Prices And Portions

Additional information that can be imported includes calibration defaults, descriptor, product code, specific gravity, container and container cost.

If you are not importing a container column, you can indicate the container to be used for every new brand imported.

If you have exported from an Infinity system using Column Headers, you can check Use Columns Headers to Determine Columns. Text of the columns in the import file are used to identify which columns are in which position. All columns will be imported.

Export Brand Prices and Portions

Additional information that can be exported includes calibration defaults, descriptor, product code, specific gravity, container and container cost.

Check Columns header to add a line at the beginning of the export file which lists the names for each column.

Export Cocktail Prices and Portions

Normally, the entire recipes is exported. However, by un-checking Export Ingredients, just the cocktail lines will be exported and no ingredient information will be exported.

Check Columns header to add a line at the beginning of the export file which lists the names for each column.

Calibration

Calibrate Dispensers

Calibration can now be done by weight by using grams as the calibration unit. This is considered by many to be the most accurate method of calibrating. All brands being calibrated this way must have their specific gravity entered. If the specific gravity is still listed as 1.0, then you will be prompted to enter the correct specific gravity. Make sure that you tare the weight of the container used to weigh the liquid.

Modify Calibration Units and Accuracy

Calibration can now be done by weight by using grams as the calibration unit.

Initialize Calibration Units

When using a unit which features increased precision, the calibration values will be shown with a single decimal place to reflect this increased precision.

All-Bottle default cal values can be saved from the Initialize Cal Values form. The All-Bottle tab must be clicked in order to show the Save As Defaults button. The defaults for All-Bottle brands currently assigned on this ECU will be changed to the values present in the grid.

Inventory

Inventory Check

If you have checked Calculate Retail Price on the Clear and Archive Sales form, then if you run an Archive and Clear during Inventory Check, the retail price per unit will be re-calculated for each brand poured.

Deliveries

Order delivery now supports partial back orders.

Click Back Order

Enter what has been delivered. By default that will be the full amount for each brand ordered. You can also revise the cost.

Click Continue

Confirm or revise the quantities and cost of the back order.

The remainder of the order will still be present in the system as the same order number. (If you modify or delivery the back order, the detail form will indicate that the order is Back Ordered.

Reports

Select Report Options

The Font Names listed include all fonts available for your default Windows printer.

Archive And Clear (Z)

You can decide to re-synchronize the ECU clock when you do a Archive and Clear sales. Check Set ECU Time. The clock is set to match the PC time.

Retail price per unit for each brand poured can be recalculated after a Archive and Clear. Check Calculate Retail Price. The new retail price is calculated using pour sales / pour volume. If you leave this box checked, it will also affect Archive and Clear Sales when performed as part of a schedule or an Inventory Check.

Create a Custom Report

Date Range :

When creating a custom report, you can give a date range (you must be running Advanced or Enterprise Edition). The To date is always the current date. The From Date and To Date are translated into a number of days ago. For example, if you give a date range of October 20 to October 23, then this means 3 days ago. If you run the report on October 31, then you get the archive data for the business days of October 28 – October 31. The data used for the reports is only archive data. Thus if you have not yet run an Archive for October 31, then no October 31 data will be included in the report.

Reconciliation and Variance Reports

Sales Terminal Data File

If you use Compare by Volume, you also choose between sold pour volume and pour volume, that is, you decide whether to include comps and cancels in the volume.

Reconciliation report supports date and time columns in the sales terminal file. Records in the sales terminal file that fall outside the report date range will not be included in the reconciliation report. Enter the Date and Time Column if you wish to use these.

The reconciliation report allows more than one PLU, sales or count column to be used on each sales terminal data file line. By using multiple PLU columns, each line can represent more than one PLU where an additional sales or count column must be present for each PLU. If more than one sales or count column is present for each PLU column, the data will be added together and counted against the PLU associated with the PLU column. Enter multiple column separated by commas.

A station column can be used in order to separate the data in a single sales terminal data file into stations. Reconciliation reports can then be run against individual stations. If you are using a column for a station, it will normally be a Sales Station. Hardware Station names will not be matched against a column if the Hardware Station is included in a Sales Station.

When using a Separate File for Every Station, the Reconciliation Options form shows all Sales Stations plus all Hardware stations that are not included in a Sales Station. So using Sales Stations is the most natural fit for this feature.

Variable File Names

You can use wildcards in reconciliation file names. By using {x} as part of the name, all files that match the name will be used during the reconciliation report. For example, specifying pos{x}.txt will match pos1.txt, pos2.txt, etc.

Reconciliation of Cocktails not Poured by Laser

An interesting feature of the reconciliation report is the ability to handle All-Bottle cocktails, cross cocktails (some portions on laser and others on All-Bottle), and Tap 1 “cocktails” (such as wine coolers or “Black and Tan” – two types of beer). These are dealt with by creating a cocktail with the ingredients needed. Then the cocktail is assigned as a PLU recipe to the ECU. PLU Recipe is a separate tab on the assign cocktail form. A PLU recipe does not affect pouring but rather is a way to interpret the PLU from the POS system. You should completely fill out the information for all cocktails and PLU recipes including PLUs and ingredient prices and portions. All of this information is used to calculate the reconciliation report.

Note that to effectively use PLU recipes, the portions used in cocktails must also be present as sizes in the price portion tables or be buildable from the sizes. That is, if an ingredient can be poured as ¾ ounce, the one of the sizes for that brand must be ¾ ounce OR the brand must have ¼ ounce as a size (pour 3 times) OR we could have one size of ¼ ounce and one which is ½ ounce.

The Sales Terminal data file is a delimited text file exported from the POS system. For the next part of the discussion we will assume that there is one sales terminal data file (STDF) for the entire system. The name and format of the STDF is defined in the Reconciliation Options form. The STDF must include a PLU column and either a count column or a sales column. Other columns can be present and will be ignored. The STDF must be from the same time frame as the data being used on the Infinity side. Header lines with comments or column names can be skipped. As with most reports, the reconciliation report is run against a Station or Group. Be careful if the STDF contains brand names - it does not require them.

There are two types of reconciliation reports chosen in the Reconciliation Option form: Compare by Sales and Compare by volume.

How to pour a PLU recipe: For All-Bottle or Tap, select the size required for each brand and pour. The bartender must know the recipe. Note you can pour more than one size of the same brand if needed to get to the correct ingredient amount (e.g. 1/2 ounce + ¼ ounce). Then the server rings up the cocktail at the POS. If this is cross cocktail and more than one ingredient is on the laser, create a partial cocktail for the laser. Then this part of the cocktail can be poured using cocktail mode and the all-bottle portion can be poured as above. The laser partial cocktail should not have the same PLU as the full PLU recipe.

Reconciliation Example

Compare by Volume

This method starts with a usage report on the Infinity side – cocktails names are not listed. A count column must be present in the Sales Terminal Data File (STDF - the export file from the POS) giving the number of times each PLU was rung up. The brand name, sold volume poured at Berg equipment and volume corresponding to number of ring ups are listed on the report. The variance and percentage is shown. In addition, the Lost retail value is calculated by multiplying the variance times the retail price per unit.

For each line in the STDF, the PLU is matched up – there will be a volume recorded on the Infinity side from the usage report. Then the brand table or cocktail recipe is used to calculate the volume associated with that number of pours for each brand. Remember that will be no cocktails listed on this type of report.

Here is an example using a single price level. Absolut and Rumpleminz are on the All-Bottle ID and Vodka is on a laser.

Brands: Vodka .5 ounce = $1/PLU=100, 1.0 ounce = $2/PLU=101
Absolut: .5 ounce=$1.50/PLU=200,1.0 ounce=$3/PLU=201
Rumpleminz: .5 ounce=$1.50/PLU=300, 1.0 ounce=$3/PLU=301
Cocktails: Screwdriver: $2.50/PLU=1000. 1 oz of Vodka at $2
Absolut Madness: $4.50/PLU=2000. 1 oz of Absolut at $3 and 0.5 ounce of Rumpleminz at $1.50
We pour 5 shots of vodka, 2 shots of Absolut, 3 screwdrivers and 2 Absolut madness.

The usage report is
Vodka: 8 oz.
Absolut: 4 oz.
Rumpleminz: 1 oz.

Let's say we "forgot" to ring up one of the vodka shots. The export file now has a count column as column number 3 and looks like:
Vodka,101,4 (5 poured but only 4 rung up)
Abs.,201,2
Screwdrivr,1000,3
Madness,2000,2
Potato Chips,9023,1

Let's go through each line of the STDF. We list Berg side first and then the POS side. PLU 101 is a regular Vodka which is 1 ounce. 4 time 1 is 4 ounces and we have Vodka, 8 oz 4 oz.
PLU 202 is a regular Absolut at 1 ounce each so we have 2 oz and the line so far is Absolut 4 oz 2oz.
PLU 1000 is a Screwdriver. There are 3 of them, so we have an additional 3 ounce of vodka so our line is vodka 8 oz 7 oz.
Then we have 2 rings of PLU 2000 which means 2 oz of Absolut and 1 oz of Rumpleminz. So these lines become
Absolut 4 oz 4 oz
Rumpleminz 1 oz 1 oz.
The final line is a PLU (9023) not used by Infinity and is ignored.

The final report is

Vodka 8 oz 7 oz
Absolut 4 oz 4 oz
Rumpleminz 1 oz 1 oz
If you gave a retail price per ounce of $2 then the Lost Retail Value for vodka will show as $2.00.

Compare by Sales

A sales column must be present in the Sales Data Terminal File (STDF - the export file form the POS). It should use the same price format as Infinity. e.g. 100.00 for one hundred dollars.

This method starts with a sales summary report on the Infinity side. Note that complimentary pours and cancels are not included. For each type of brand or cocktail poured, the Infinity Pour Sales is listed and well as the Collected Sales from the Sales Column in the STDF. The difference is shown in the Variance column as well as the percentage of Collected Sales divided by Pour Sales.

For each line in the STDF, the PLU is read and matched against the PLUs assigned to the ECUs in the Station or Group. If the PLU is a brand PLU or a Laser cocktail PLU, the sales are simply slotted to appear on the line in the report. If the PLU corresponds to a PLU recipe, then the following calculations occur. The number of recipes poured is calculated by dividing the POS sales by the price of the recipe in the Infinity definition. Then the sales recorded by Infinity for each ingredient is examined to determine if there are enough sales to account for the number of recipes rung up. This uses the ingredient prices in the Infinity definition. The maximum number of recipes possible is determined and recorded on the Infinity side. The sales amount used for the ingredient in the recipe is subtracted from the brand row.

Here is an example using a single price level. Absolut and Rumpleminz are on the All-Bottle ID and Vodka is on a laser.

Brands: Vodka .5 ounce = $1/PLU=100, 1.0 ounce = $2/PLU=101
Absolut: .5 ounce=$1.50/PLU=200,1.0 ounce=$3/PLU=201
Rumpleminz: .5 ounce=$1.50/PLU=300, 1.0 ounce=$3/PLU=301
Cocktails: Screwdriver: $2.50/PLU=1000. 1 oz of Vodka at $2
Absolut Madness: $4.50/PLU=2000. 1 oz of Absolut at $3 and 0.5 ounce of Rumpleminz at $1.50
We pour 5 shots of vodka, 2 shots of Absolut, 3 screwdrivers and 2 Absolut madness.

The Infinity Sales summary report looks like
Vodka: $10.00
Absolut: $12.00
Rumpleminz: $3.00
Screwdriver: $7.50
(remember Abs. Madness is PLU cocktail and therefore cannot appear on an Infinity sales report)

The STDF will a PLU column of 2 and sales column of 3 is
Vodka,101,10.00
Abs.,201,6.00
Screwdrivr,1000,7.50
Madness,2000,9.00

Note since the brand name column is not used, it is not necessary that the names match – this column does not even need to be present. We then process the STDF line by line to produce the reconciliation report. (We will Show Infinity sales followed by POS sales for each line.) PLU 101 matches with Vodka, so we have
Vodka: $10.00 $10.00.
PLU 201 matches with Absolut, and we have
Absolut: $12.00 $6.00.
1000 is a screwdriver which is a cocktail known by Infinity so we have
Screwdriver $7.50 $7.50
(Note we do not use the ingredient price). PLU 2000 is the PLU recipe Absolut madness. $9 divided by

$4.50 is 2 cocktails. using the recipes, we see that Ingredient one is Absolut which requires $6 for two pours; ingredient two is Rumpleminz which requires $3 for 2 cocktails. Both of these dollar amounts are covered by the Infinity side so we record 2 Absolut madness in the report:
Abs. Madness $$9.00 $9.00.
In addition, we now remove the ingredient dollars: $6 for Absolut and $3 for Rumpleminz. Absolut now has $6 on the Infinity side and Rumpleminz has $0.

Our final report looks like
Vodka $10.00 $10.00
Absolut $6.00 $6.00
Rumpleminz $0.00 $0.00
Screwdriver: $7.50 $7.50
Absolut Madness $9.00 $9.00

Sample Reports

Glossary of Report Terms

Sold replaces the term **Charged**. Charged Drinks is replaced by Sold Drinks; Charged + Comp Drinks is replaced by Full Drinks; Charged Pour Sales is replaced by Pour Sales; Charge Pour Sales/Pour Volume is replaced by Pour Sales/Pour Volume; Charged Pour Volume is replaced by Sold Pour Volume; Charged Pour is replaced by Sold Pours; Charged Sales is replaced by Sales; Charged Sales/Drinks Volume is replaced by Sales/Drink Volume; Charged Volume is replaced by Sold Volume.

Archive Time This is the date and time data was cleared from the ECU(s) and archived at the computer.

Cancel Pour Sales The full sales value of any canceled pours (Calculated using drink prices and cocktail ingredient prices).

Container Cost This is the your cost of each container of the brand. It's used to calculate the potential pouring cost for the brand and the cost per unit.

Container Drink Volume Drink volume expressed as number of containers.

Container Pour Volume Pour volume expressed as number of containers.

Cost Per Unit Your cost of each volume unit. Derived from the container cost and container size. The actual volume units are shown.

Current Time

Descriptor An optional identifying entry for each brand. You can define a descriptor when you set up or modify a brand.

Event A logged event recorded by the ECU. This includes power off, POS override and other notable events that may indicate tampering.

Full Drinks The combination of sold drinks and complimentary drinks. Does not include cancels.

Full Pours The combination of sold pours and complimentary pours. Does not include cancels.

Hardware Station The name of the ECU or partition as entered in ECU Setup.

Margin Margin is also known as Return and is the difference between Sales and Volume Cost.

Network/ECU/Dispenser Fully identifies the dispenser that dispenses the brand.

Percent Total Drinks This brand's drinks compared to the total drinks.

Percent Total Pours This brand's pours compared to the total pours.

Pour Sales/Pour Volume Pour Sales divided by Pour Volume.

Product Code An identifying entry assigned to a brand as part of Inventory setup. Typically, this is a code required by a supplier when ordering a brand.

Product Type The type of brand such as Beer, Liquor, or Wine.

Retail Price per Unit This is the retail price the customer pays for each unit of measure of the brand.

Sales/Volume Sales divided by drink volume.

Sold Drinks Shots or Infinity-defined cocktails. Does not include comps or cancels.

Sold Pours The number of times poured as a Sold pour. Includes shots and Infinity-defined cocktail ingredients.

Sold Volume The total number of volume units for Sold drinks. Does not include comps or cancels.

Status This is the order status of the brand

Supplier Supplier is the name of the supplier of the brand for those brands tracked in Inventory.

Total Stock This is the total number of containers of the brand on hand.

Volume Cost The cost of the total pour volume.

Price Portion Report

To get the price portion report with assignments and price tables, click on Show Product Assignments.

Select Show All to show all price tables regardless of whether they are assigned. When using Show All, you will not be allowed to select a station or group and no assignments will be displayed in the report. You may select a product type if you wish.

Laser Guide

The new Laser Guide shows the button mapping of all brands and cocktails on laser guns. This report uses large print and is suitable to use as a bartender reminder or training tool.

If you use stickers on the laser buttons, you can enter the laser button code before you run the Laser Guide,. The printout will then use the codes instead of the laser button numbers.

You can select whether the portions are shown on the report.

Power and Interface Log

The Power and Interface Log Report is supported only by some ECUs or EPROM versions.

The columns are Hardware Station, Date, Time, and Event.

Event is a logged event as recorded by the ECU. This includes power off, POS override and other notable events that may indicate tampering.

Schedules

Schedule Options

Saved Report Files

Saved Report files can be saved as rdf, txt or csv files. You must be using Enterprise Edition to be able to save as text files (txt or csv). RDF file can only be opened with Report program but the text files can be viewed by a variety of programs. Note that saving as a text file loses the report formatting.

time format can be used as part of saved report name. Use a combination of the following contained within curly brackets: hh for hour, mm for minutes, ss for seconds, ampm. If ampm is omitted, 24 hour clock is used as part of the name. Example: {rpt}{hhmmampm}.rdf = US0230am.rdf for a usage report run at 2:30 in the morning.

Create A Time Schedule

When you are positioned on any day tab, you can click Copy… to copy that day's actions to one or more other days. Select <All> or the day of the week that should have the same actions. Click OK. If the target day(s) already have actions listed, you will be asked if those actions should be overwritten or retained. If you choose retain, then the actions will be added.

Repeat

Schedules can now contain a list of actions that are repeated. On the Options tab, a minute interval is selected. Optionally, a minute to start during the hour can be entered. Add actions to be repeated to the repeat tab.

Create an On Demand Schedule

This was formerly referred to as a Run Now schedule.

Run a Schedule

When a schedule is run and some actions have been missed, schedule will show you the missed actions and allow you to run them immediately. Up to one week's worth of missed actions will be shown. When the list is shown, you can choose to run all of the missed actions or to skip all of them.

Rename a Schedule

Click Schedules…

Show All Options must be checked.

Click Rename.

Enter the new schedule name.

Click OK/Open/Save.

The schedule has now been renamed.

Copy a Schedule

Click Schedules…

Show All Options must be checked.

Select the schedule to copy.

Click Copy.

Enter the new schedule name.

Click OK/Open/Save.

There are now two schedules with the same set of actions. Proceed to edit one of these schedules.

Test a Schedule

Click Schedules…

Select the schedule to test.

Click Test.

If this is not an On Demand schedule, you must select the day of the week or Repeat.

If you are running live schedule, you may check the box to run the test as a simulation (without any ECU communication) if you wish.

Click OK.

All of the actions on that day will be run (regardless of the scheduled time of day). Repeat actions will not be run when a day of the week is selected.

The test will be listed in the schedule log bracketed by “Running Test” logs. When a day schedule is tested, it will be identified as On Demand in the schedule log.

Database Management

Use Descriptive Backup Folder

By checking this, store and backup will use a sub-folder name. The default folder name indicates the database name, serial number and date but you can change this to anything you want.

The location of your last backup and store is saved.

Store Configuration Settings

Check Use Descriptive Backup Folder if you want to use a descriptive folder name. Click OK to continue.

Examine the folder name and change it if you want. Click OK.

Select the parent disk and/or folder location. Click OK.

Backup the Full Database

Check Change Serial Number. Enter the destination serial number.

Check Use Descriptive Backup Folder if you want to use a descriptive folder name.

Click OK to continue.

Examine the folder name and change it if you want. Click OK.

Select the parent disk and/or folder location. Click OK.

DBExam Tool

A new database tool (DBExam) is present on the CD which helps identify the release and serial number of an Infinity database, a store disk or a backup. This can be helpful when your original CD has been lost, a PC has been destroyed or you are otherwise in a situation where you don't know the software version or serial number.

First install the tool by running setup.exe from d:\tools\dbexam\ where D: is the Infinity CD.

Run the program by clicking on its icon. Click on next and browse to the drive and directory of the database to be identified. The identity of the database will be displayed in the list window.

Infinity/Sales Terminal Interface Manual Appendix

This appendix lists changes that have occurred since the most recent printing of the Infinity/Sales Terminal Interface Manual (4.21 October 2002) to bring it up to date to release 5.0 of Infinity.

The related section titles in the October 2002 manual are given. The information in the Appendix replaces or supplements the section's current content.

Note that Help is always kept up to date and is available from any Infinity screen by pressing F1 or clicking the Help button.

Getting Started

Interface System Components

Interface Software is always included when you order Infinity software. all of its functions are available within Infinity programs.

For a list of POS systems that work with the Berg system, use the Dealer area of the Berg website.

Installation Game Plan and Checklist

There is a single universal cable available from Berg that works with all POS systems.

You do not need to install Interface software. It will be installed by default.

When you first run Manager, you will be able to select the driver/POS system used. The Activate Driver will automatically appear.

As part of testing the interface, it is recommended that you use Pour Test function and/or the POS Test Utility.

Gather Hardware Information

All sales terminals can use the Universal POS kit (Berg PN 8009092).

Current version of TAP 1 do not require a special circuit board.

Check the dealer area of the Berg website (www.berg-controls.com/forum) for detailed information about which sales terminals are supported. See the topic "Which Sales Terminals interface with Berg ECUs". You will need to register before you can access this restricted area of the website.

It is recommended that you test working with a particular sales terminal (including establishing a relationship with the local sales terminal representative) before you try installing at a customer site.

2 to 1 switchers can be used with serial POS interfaces.

Duplex switchers can be used with parallel ECR interfaces. There is no longer a separate Tap Parallel Multiplexer.

Gather PLU and Modifier Information

Some drivers support using a PLU base which will effectively give you a higher range of PLU numbers to work with.

Connect the ECU(s) to the Sales Terminal(s)

Connect the DB9/RJ12 adapter end of the universal cable labeled ECU to the Berg ECU.

Connect the DB9/RJ12 adapter end of the universal cable labeled POS to the sales terminal.

Connect the ECU adaptor to the POS adapter with standard Berg 6 conductor communications cable.

Install a Tap 1 Parallel ECU Multiplexer, Install Interface Software at a New Site, Upgrade Existing Interface Software

These sections are no longer relevant.

Uninstall (Removing) Interface Software

Interface is automatically installed when you install Infinity. The process described in this section can be used to remove the Interface functionality.

Method 2:

1. From Manager use Options | Preferences.

2. Uncheck Interface.

3. Click OK.

Drivers

Activate Driver

From Manager, use Interface | Activate Driver.

From the list on the right, select the driver which most closely matches the sales terminal you are using.

Then Click Add.

OR you can drag the driver name from the list o the right and drop on the Activated list on the left.

Click OK.

For help on which driver to use, Click on Driver Help or visit dealer are of the Berg website.

About Options

PLU Base

This option is only supported by some drivers. Since there is a limit to the range of PLU numbers that can be entered, it is possible to start all PLUs at a predetermined base. Note that PLU Base is an increment of 10,000. In prices and portions, you enter the PLUs without including the base. The PLU base is added by the driver when a PLU is sent to a sales terminal. For example, by entering 5 into the PLU Base field, all PLUs sent to the sales terminal will start with 50,000. If the user enters 100 for a PLU, the sent PLU will be 50100. The Infinity 1544 does not support PLU bases. The Micros 8700, the Berg Generic and the Berg Basic drivers allow the PLU base and a range of 65535 PLUs.

Enter Default Driver Settings (Options and Modifiers)

If you are using more that one driver, you must select the driver that you wish to modify. See Using Multiple Drivers.

Set the PLU base if you are using one. The default is zero. A non-zero PLU Base will be added to every PLU. (Note that the PLU Base is an increment of 10,000.)

Driver settings changes are sent to all appropriate ECUs. There is no longer Read ECU, Manual Send or Save as Default buttons.

Enter Non-Default Drivers Settings, Send Driver Settings to ECUs

These sections no longer applies.

Change Pour Communication

This will temporarily change the Pour communication method for a particular station or group.

In manger, select Interface | Change Pour Communication.

Select the station or group.

Select the Pour communication method.

Click OK.

Note that if you Clear and Restore Memory or Load a Driver, then the Pour Communication is reset to its defaults for that driver.

Driver Test

Use Change Pour Communication to temporarily change to Pour without Release.

Pour test is also useless to test the driver.

Pour Test and POS test are described more fully in the Troubleshooting Section.

Show Driver Status

Show Driver Status also indicates the Pour Communication method.

Micros 8700 Driver Family

Using Sales Stations is required when more than one ECU shares a POS sales terminals belonging to the Micros 8700 family.

The Micros 8700 driver can adapt to handle the situation when more than one ECU is using the same POS sales terminal. All ECUs which use the same POS terminal should be defined under the same Station. Infinity will use this information to ensure that the sequence numbers sent by the ECUs do not overlap.

RESTRICTIONS: A maximum of five ECUs can be used on the same POS terminal. Micros 3700 requires up to date software from Micros. Only one 1544 can be used and if there is a 1544, then only one other ECU can share the POS. However, the 1544 cannot be used with the Micros 3700 or 8700 terminals until a software change is provided by Micros.

Using Multiple Drivers

There may be circumstances when you are using more than one type of sales terminal or when not all ECUs need to be interfaced. to a sales terminal. You must use Sales Stations to indicate where each driver is to be loaded.

To use multiple drivers

From Manager, use Interface |Activate Drivers.

Check Allow Multiple Drivers.

Select all drivers one at a time and use the Add button or drag and drop to the activated list.

Click OK

To Set Up Sales Stations

See the Infinity manual for how to Create and Define Sales Stations.

For each Sales Station, use Equipment | Sales Station.

Click Modify.

Select the driver. All of the drivers you have activated will appear in this list as well as the selection <None>.

Load the Driver

See Load Driver Section. You must load drivers into each sales station after changing the Sales Station/Driver association. You can Select the Master Group to load drivers into all ECUs in one operation.

Change the Settings

When more than one driver is activated, you can change the settings of each driver individually. You need to identify the driver before you Enter the Default Driver Settings.

Interface Specifications

This section is outdated except for Supported EPROM portion.

Troubleshooting

Dispenser Won't Pour when Interfaced

Here are some diagnostics steps to determine why a dispenser won't pour when you are interfaced with a POS sales terminal.

First set the Interface to pour without release. If the dispenser pours when using pour without release but does not pour when using wait for release, then use the rest of this information to figure out why. (Wait for release requires that the POS system authorize the PLU before pouring is allowed.)

If the dispenser still doesn't pour with pour without release, you have a more general pouring problem that likely has nothing to do with Interface. Find the article dealing with pouring problem for the dispenser type.

1. Is the POS system down? If you can pour any other brand, price level or size, then the POS system is working; Proceed to step 3.

The POS register must be turned on. In some cases, a server must be logged in. In others, a POS network must be active. Have your POS representative help diagnose if the POS system is active.

2. Check connection to POS. If you can pour any other brand, price level or size, then the POS system is working; Proceed to step 3. Check that the cable is connected from the ECU to the POS and hasn't come loose. Check that the cable is connected to the correct port. Check that you are using the correct cable.

3. Check the driver you are using. Using Manager | Interface | Show Status, check that the driver is appropriate for your POS. If not, run Setup from the CD to install the correct driver and then use Manager | Interface | Load Driver to load the correct driver into the ECU.

4. Check the PLU being used. Using Manager, check the brand assignment for the button. Then click modify to see the PLU for the price level and size that won't pour. Check that this PLU is defined on the POS side.

5. Check packet using POSTest.

POSTest can be installed from the Infinity CD. Find the directory Tools | POSTEST and run SETUP.EXE to install this program on your disk.

From the ECU POS port, connect a NULL Modem cable to a COM Port on the PC running POSTEST. Select the driver in POSTEST (you may need to consult the dealer area of the website to determine which core driver is used by your sales terminal). Enter the PC's com port, put into end point mode and click on Start monitor. Now press the button to pour and the packet being sent will be displayed in the list box of POSTEST.

Examine the packet:

A. Check that the PLU is the one you expect

B. Check that the packet is otherwise formatted correctly. Your POS representative can be helpful in ascertaining that the packet is correct.

C. Check that any required modifiers are present. (Some POS systems require that a packet start or end with a particular sequence of characters.)

6. Put POSTEST into pass-through mode, connecting another NULL modem cable from the PC to the POS terminal. Pour and see whether an ACK is returned from the sales terminal. (The ACK character is shown on the right side of the POSTEST form.) If no ACK is returned, the PLU or packet is not recognized by the sales terminal or the sales terminal is experiencing some other error condition.

Start Pour Test

Pour Test allows you to test pouring operation including interfacing without using a lot of product. Start Pour test sends very small portions to all dispensers in a given station or group. Only assigned buttons are changed. All sizes and price levels are set to this small test portion even if the portion in the assigned price portion table is zero. Price and PLU are not changed. Cocktail ingredients are also set to this small portion.

Pour Test can be used to ensure that the correct brand pours. It can also be used to test whether PLUs have been set up correctly at a POS.

TO Run Pour Test:

Under Manager, Click Interface | Start Pour Test.

Select Station or Group.

Click OK.

The Pour Test Portions will be sent to the ECU(s).

To Exit Pour Test

Click Interface | Stop Pour Test

Select Station OR Group

Click OK.

The original price and portions tables will be restored.

Notes

Any pour made during pour test will be recorded in your usage and sales numbers for the assigned brand or cocktail.

Clear and restore memory or other operation which sends assigned portions to an ECU will Exit Pour Test mode.

POSTest Utility

POS Test is a program used to troubleshoot and test serial POS interfaces. The POSTest utility shows you the output of the driver and the response of the sales terminal. This can be very useful in determining interface problems.

One or two serial com ports are needed by this program.

You can do 3 things with POS Test.

1. POS Test can act as a mock POS terminal. You can watch the signal being sent from the Berg ECU and manually send an ACK signal, NACK signal, or have an ACK signal automatically sent. You can use this to see if the Berg ECU responds correctly to the incoming signals and is sending the correct signal.

2. POS Test can be used as a monitor, to watch the signals as they go to a POS terminal and back to the Berg ECU. You can use this to see if the Berg ECU is sending the correct signal and if the POS terminal is sending the correct signal back.

3. POS Test can mimic a Berg ECU. You can select PLUs to send to the POS terminal.

POSTEST works with any Berg ECU which supports serial interface. It will not work with the parallel driver.

A null modem and a serial cable must be placed between the ECU's POS port (labeled J902) and the incoming COM port of the PC. If you are using pass through mode, a second cable and null modem should connect the outgoing com port of the PC and the incoming port of the sales terminal.

To install:

Click on the POS TEst link after loading the Infinity CD.

OR Run E:\tools\postest\postest.exe where E: is your CD drive.

The latest POSTest can be downloaded from the Berg website.

Running POSTEST

If you know the driver that is loaded, choose that driver and the rest of the communication parameters will be chosen for you. Otherwise, you will need to set the baud rate, etc. If these parameters are not set up correctly, then you will either see no data or the data shown will not be accurate. (Note that choosing a driver only sets up the communication parameters. POSTEST does NOT attempt to emulate any driver or sales terminal.)

Once you are satisfied that all of the communication parameters have been set correctly, click on Start Monitor. Communication data will now be shown in the log window.

Data that is coming from the ECU is preceded by a double greater than (>>). Data that is being sent to the ECU is preceded by a double less than (<<).

When you are done monitoring, click on Stop Monitor.

Meaning of the Data Packets

Each sales terminal and driver produces a different set of numbers. All examples here will use Hexadecimal (Hex) as the display mode. None of the examples consider modifiers and trailers.

Lines preceded by >> indicate data that is going from ECU to POS. Lines preceded by << indicate data that is going from POS to ECU.

POS replies:

When the reply from the POS is 06, that is the code for Acknowledge (ACK). The PLU has been successfully received and recognized. If the reply is 15, that indicates No acknowledge (NAK). This means

that the POS does not recognize the PLU. When no response is present, that is usually a signal that the POS did not receive the message.

Berg Basic:

>>02 31 31 31 31 03 01

<<06

>>02 31 31 30 03 31

<<15

02 is the ASCII code for Start of Text (STX). 03 is the code for End of Text (ETX). After the ETX is the checksum. The checksum is used to validate that none of the message was scrambled during communication.

The PLU/NLU is in between the STX and ETX. The ASCII code for 0 is 30, the code for 1 is 31, etc. The code for 9 is 39. So in this example, the PLU is 1111.

The reply from the POS is 06 which is the code for Acknowledge (ACK).

The second message has a PLU of 110 (note the different length of the message.) The reply, however, is 15 for No acknowledge (NAK). This means that the POS does not recognize the PLU.

Berg Generic:

>>02 31 31 32 31 01 03

<<06

>>02 31 31 31 31 7F 82 03

<<06

The message starts with the STX (02) and ends with ETX (03). The checksum appears before the ETX. For the first message, the PLU is 1121.

The second message has a PLU of 1111. Since the checksum equates to 02, it must be “escaped” to avoid confusion with the STX character. The Escape code is 7F(ESC). The high order bit of the checksum is set changing it from 02 to 82. The POS must undo this escape sequence to determine that he checksum is 02 so that it can validate the message.

Other drivers are explained under the dealer area of the Berg website.